

Anti- α Enolase Rabbit pAb

WL01213

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti- α Enolase Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	Western blot	1:500-1:1000
	Immunohistochemistry	1:200-1:300
	Immunofluorescence	1:200-1:500
	<i>*Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.</i>	
Molecular Wt.	48 kDa	
Pack size	50/100/200/500/1000 μ l	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

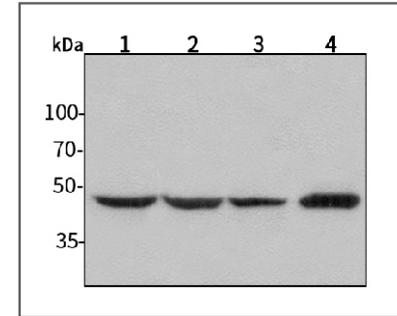
Background	The alpha-enolase (Non Neuronal Enolase) is one of three enolase isoenzymes found in mammals. Each isoenzyme is a homodimer composed of 2 alpha, 2 gamma, or 2 beta subunits, and functions as a glycolytic enzyme. Alpha-enolase in addition, functions as a structural lens protein (tau-crystallin) in the monomeric form. Alternative splicing of this gene results in a shorter isoform that has been shown to bind to the c-myc promoter and function as a tumor suppressor. Several pseudogenes have been identified, including one on the long arm of chromosome 1. Alpha-enolase has also been identified as an autoantigen in Hashimoto encephalopathy.
Immunogen	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of α Enolase.
Purification	Polyclonal antibody was purified by immunogen affinity chromatography.

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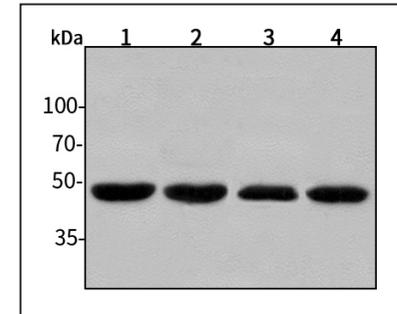
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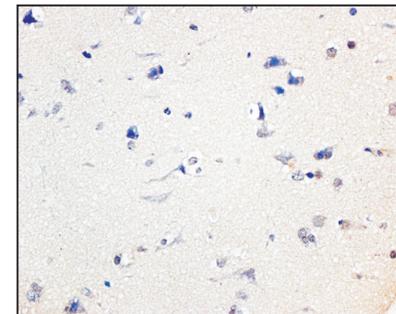
Product Images

Western blot-Anti- α Enolase pAb

Lane 1: Human HepG2 cell lysate 30 μ g
 Lane 2: Human Hela cell lysate 30 μ g
 Lane 3: Human BGC-823 cell lysate 30 μ g
 Lane 4: Human MGC-803 cell lysate 30 μ g
 Separation gel: 10% polyacrylamide
 Electrophoresis: 100V, 4°C, 3h
 Transmembrane: 100V, 4°C, 1h
 Blocking: 5% w/v nonfat dry milk, 1 \times TBST, at RT with gentle shaking
 Primary antibody: 1:1000 in blocking buffer, 4°C, overnight
 Secondary antibody (WLA023a) : 1:5000-1:10000, 45min
 Detection: ECL, 30s-2min

Western blot-Anti- α Enolase pAb

Lane 1: Mouse brain tissue lysate 30 μ g
 Lane 2: Mouse lung tissue lysate 30 μ g
 Lane 3: Rat liver tissue lysate 30 μ g
 Lane 4: Rat heart tissue lysate 30 μ g
 Separation gel: 10% polyacrylamide
 Electrophoresis: 100V, 4°C, 3h
 Transmembrane: 100V, 4°C, 1h
 Blocking: 5% w/v nonfat dry milk, 1 \times TBST, at RT with gentle shaking
 Primary antibody: 1:1000 in blocking buffer, 4°C, overnight
 Secondary antibody (WLA023a) : 1:5000-1:10000, 45min
 Detection: ECL, 30s-2min

Immunohistochemistry-Anti- α Enolase pAb

Sample: Human brain glioma tissue
 Antigen retrieval: pH 9.0 Tris-EDTA buffer
 Primary antibody: 1:200, 4°C, overnight
 Secondary antibody-Biotin: 1:150, 37°C, 1h
 Streptavidin-HRP: 1:200, 37°C, 30min
 Visualization: DAB

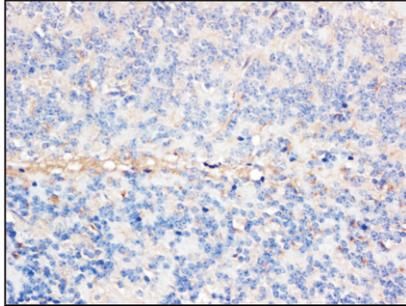
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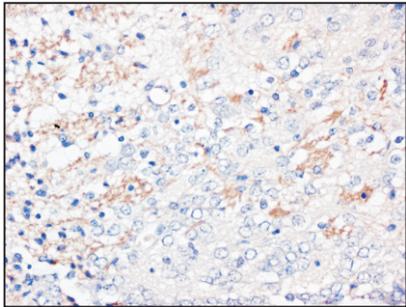
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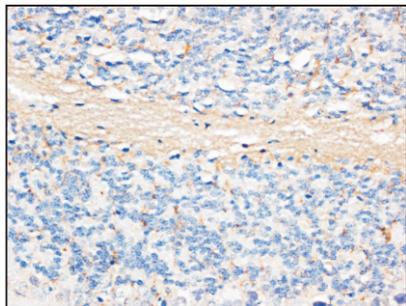
Immunohistochemistry-Anti- α Enolase pAb

Sample: Mouse cerebellum tissue
Antigen retrieval: pH 9.0 Tris-EDTA buffer
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Visualization: DAB



Immunohistochemistry-Anti- α Enolase pAb

Sample: Rat brain tissue
Antigen retrieval: pH 9.0 Tris-EDTA buffer
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Visualization: DAB



Immunohistochemistry-Anti- α Enolase pAb

Sample: Rat cerebellum tissue
Antigen retrieval: pH 9.0 Tris-EDTA buffer
Primary antibody: 1:200, 4°C, overnight
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Visualization: DAB

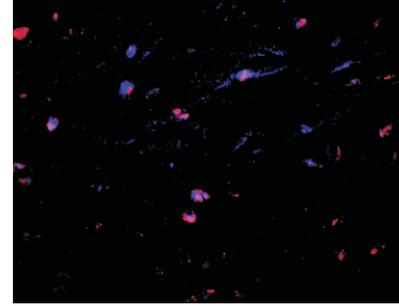
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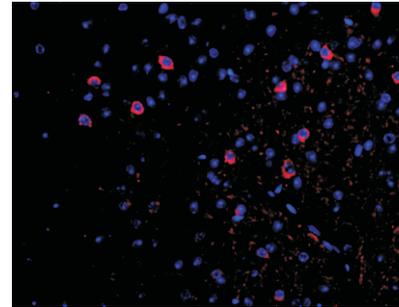
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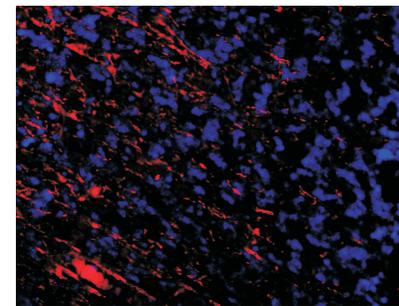
Immunofluorescence-Anti- α Enolase pAb

Sample: Human brain glioma tissue
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-CY3: 1:200, at room temperature, 1h



Immunofluorescence-Anti- α Enolase pAb

Sample: Mouse cerebellum tissue
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-CY3: 1:200, at room temperature, 1h



Immunofluorescence-Anti- α Enolase pAb

Sample: Rat cerebellum tissue
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-CY3: 1:200, at room temperature, 1h