

Anti-VR1 Rabbit pAb



WL02734

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-VR1 Rabbit pAb		
Source	Rabbit		
Species reactivity	Human, Mouse, Rat		
Tested applications	WB	1:500-1000	
	IF	1:200	
Cellular localization	Secreted and Cell membrane		
Pack size	50/100/200/500/1000µl		
Storage	Store at -20°C. Avoid freeze/thaw cycles.		
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide		

General Information

Background

Vanilloid receptor 1 (VR1), also designated capsaicin receptor, is a nonselective cation channel, structurally related to members of the TRP family of ion channels. The activation of TRPV1 leads to a painful, burning sensation. The sensitivity of TRPV1 to noxious stimuli, such as high temperatures, is not static. VR1 is expressed in primary sensory neurons and vagal nerves and activated VR1 induces the influx of cations, particularly Ca^{2+} and Na^{+} ions. Upon prolonged exposure to capsaicin, TRPV1 activity decreases, a phenomenon called desensitization. Desensitization of TRPV1 is thought to underlie the paradoxical analgesic effect of capsaicin.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of VR1.

Purification

Polyclonal antibody was purified by immunogen affinity chromatography.

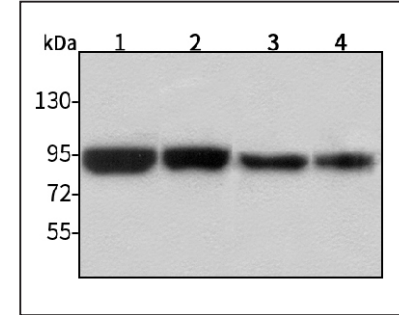
Anti-VR1 Rabbit pAb



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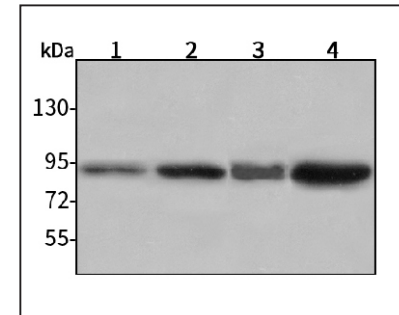
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Product Images



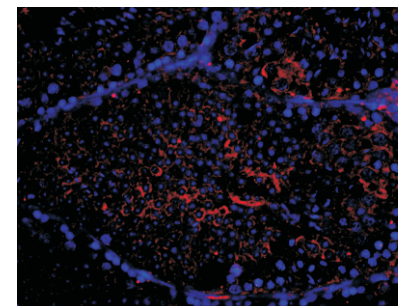
Western blot-Anti-VR1 pAb

Lane 1: Human HepG2 cell lysate
 Lane 2: Human Hela cell lysate
 Lane 3: Human BGC-823 cell lysate
 Lane 4: Human MGC-803 cell lysate
 All lanes: Anti-VR1 at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 94 kDa
 Observed band size: 94 kDa



Western blot-Anti-VR1 pAb

Lane 1: Mouse kidney tissue lysate
 Lane 2: Mouse heart tissue lysate
 Lane 3: Rat liver tissue lysate
 Lane 4: Rat brain tissue lysate
 All lanes: Anti-VR1 at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 94 kDa
 Observed band size: 94 kDa



Immunofluorescence-Anti-VR1 pAb

Immunofluorescence analysis of paraffin-embedded mouse testis using anti-VR1 Rabbit Antibody at 1:200 dilution.
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0