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Datasheet for ABIN351306
anti-TRPV6 antibody (AA 320-370)

Overview

Quantity:	500 µg
Target:	TRPV6
Binding Specificity:	AA 320-370
Reactivity:	Rabbit
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This TRPV6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthetic peptide from aa region 320-370 of rabbit TRPV6 conjugated to an immunogenic carrier protein was used as the antigen.
Isotype:	IgG
Specificity:	Specific for TRPV6.

Target Details

Target:	TRPV6
Alternative Name:	TRPV6 (TRPV6 Products)
Background:	Function: Calcium selective cation channel probably involved in Ca(2+) uptake in various tissues, including Ca(2+) reabsorption in intestine. The channel is activated by low internal calcium level, probably including intracellular calcium store depletion, and the current exhibits

Target Details

an inward rectification. Inactivation includes both, a rapid Ca(2+)-dependent and a slower Ca(2+)-calmodulin-dependent mechanism, the latter may be regulated by phosphorylation. In vitro, is slowly inhibited by Mg(2+) in a voltage-independent manner. Heteromeric assembly with TRPV5 seems to modify channel properties. TRPV5-TRPV6 heteromultimeric concatemers exhibit voltage-dependent gating.

Subunit: Homotetramer and probably heterotetramer with TRPV5. Interacts with TRPV5, heterotetramer.

Subcellular location: Cell membrane, Multi-pass membrane protein.

Tissue specificity: Expressed in duodenum, proximal jejunum, cecum, and colon. SIMILARITY: Belongs to the transient receptor family, TrpV subfamily. SIMILARITY: Contains 5 ANK repeats.

Also known as: Transient receptor potential cation channel subfamily V member 6, TrpV6, Epithelial calcium channel 2, ECaC2, Calcium transport protein 1, CaT1, Trpv6 transient receptor potential cation channel, subfamily V, member 6, CaT1, Ecac2, Otrpc3.

Pathways: [TCR Signaling](#)

Application Details

Application Notes: A concentration of 10-50 µg/ml is recommended.
The optimal concentration should be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute in 100 µL of sterile water. Centrifuge to remove any insoluble material.

Handling Advice: Avoid freeze and thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: Maintain the lyophilised/reconstituted antibodies frozen at -20°C for long term storage and refrigerated at 2-8°C for a shorter term. When reconstituting, glycerol (1:1) may be added for an additional stability. Avoid freeze and thaw cycles.

Expiry Date: 12 months