Datasheet for ABIN2785310

anti-MPP7 antibody (N-Term)

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Overview

Quantity:	100 µL
Target:	MPP7
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Horse, Rabbit, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MPP7 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human MPP7
Sequence:	MPALSTGSGS DTGLYELLAA LPAQLQPHVD SQEDLTFLWD MFGEKSLHSL
Predicted Reactivity:	Cow: 100%, Dog: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against MPP7. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	MPP7
Alternative Name:	MPP7 (MPP7 Products)

Target Details

Background:	MPP7 acts as an important adapter that promotes epithelial cell polarity and tight junction formation via its interaction with DLG1. MPP7 is involved in the assembly of protein complexes at sites of cell-cell contact.Membrane-associated guanylate kinases (MAGUKs) are important adaptor proteins involved in the assembly of protein complexes at sites of cell-cell contact. They are found in synapses, adherens junctions, and tight junctions. All MAGUKs contain at least 1 PDZ domain, an SH3 domain, and a GUK domain, and many contain 1 or 2 L27 domains, which are involved in multimerization of MAGUKs. MPP7 belongs to the p55 stardust subfamily of MAGUKs, which is named for a Drosophila gene required for establishment of cell polarity in the developing fly embryo (Bohl et al., 2007 [PubMed 17237226]).[supplied by OMIM]. Alias Symbols: FLJ32798, RP11-218D6.5 Protein Interaction Partner: AMOT, Wwtr1, Yap1, UBC, Protein Size: 576
Molecular Weight:	65 kDa
Gene ID:	143098
NCBI Accession:	NM_173496, NP_775767
UniProt:	Q5T2T1
Pathways:	Cell-Cell Junction Organization

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 576 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

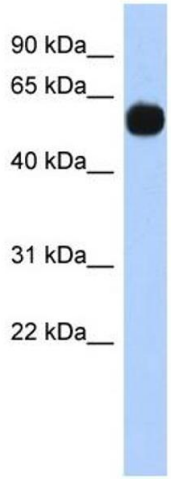
Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Gerhard, Wagner, Feingold, Shenmen, Grouse, Schuler, Klein, Old, Rasooly, Good, Guyer, Peck, Derge, Lipman, Collins, Jang, Sherry, Feolo, Misquitta, Lee, Rotmistrovsky, Greenhut, Schaefer, Buetow et al.: "The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). ..." in: **Genome research**, Vol. 14, Issue 10B, pp. 2121-7, (2004) (PubMed).

Images



Western Blotting

Image 1. WB Suggested Anti-MPP7 Antibody Titration: 0.2-1 ug/ml

ELISA Titer: 1:62500

Positive Control: HT1080 cell lysate