

Datasheet for ABIN2776715 anti-FZD4 antibody (Middle Region)



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Overview

Quantity:	100 µL
Target:	FZD4
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Horse, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FZD4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human FZD4
Sequence:	GITSGMWIWS AKTLHTWQKC SNRLVNSGKV KREKRGNGWV KPGKGSETV
Predicted Reactivity:	Cow: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against FZD4. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	FZD4
Alternative Name:	FZD4 (FZD4 Products)

Target Details

Background:	<p>FZD4 is a member of the frizzled family. Members of this family are seven-transmembrane domain proteins that are receptors for the Wingless type MMTV integration site family of signaling proteins. Most frizzled receptors are coupled to the beta-catenin canonical signaling pathway. This protein may play a role as a positive regulator of the Wingless type MMTV integration site signaling pathway. A transcript variant retaining intronic sequence and encoding a shorter isoform has been described, however, its expression is not supported by other experimental evidence. This gene is a member of the frizzled gene family. Members of this family encode seven-transmembrane domain proteins that are receptors for the Wingless type MMTV integration site family of signaling proteins. Most frizzled receptors are coupled to the beta-catenin canonical signaling pathway. This protein may play a role as a positive regulator of the Wingless type MMTV integration site signaling pathway. A transcript variant retaining intronic sequence and encoding a shorter isoform has been described, however, its expression is not supported by other experimental evidence. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p> <p>Alias Symbols: EVR1, FEVR, FZD4S, Fz-4, FzE4, GPCR, MGC34390, CD344</p> <p>Protein Interaction Partner: UBC, NDP, ZNRF3, BAG6, MAGI3, DLG2, DLG4, DVL2, DLG1, ARRB2,</p> <p>Protein Size: 537</p>
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Molecular Weight:	60 kDa
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Gene ID:	8322
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NCBI Accession:	NM_012193 , NP_036325
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UniProt:	Q9ULV1
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Pathways:	WNT Signaling , Hormone Transport , Sensory Perception of Sound
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Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
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Comment:	Antigen size: 537 AA
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	Lot specific
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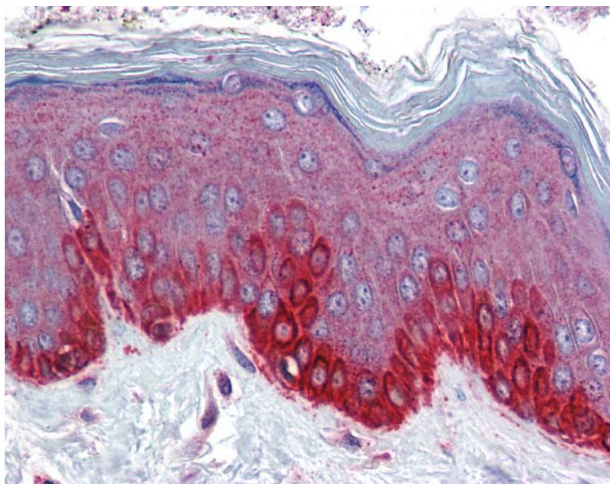
Handling

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 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:	Mitkus, Hyde, Vakkalanka, Kolachana, Weinberger, Kleinman, Lipska: "Expression of oligodendrocyte-associated genes in dorsolateral prefrontal cortex of patients with schizophrenia." in: Schizophrenia research , Vol. 98, Issue 1-3, pp. 129-38, (2007) (PubMed).
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Validation report #101227 for Western Blotting (WB)



Immunohistochemistry

Image 1.



Western Blotting

Image 2. Host: Rabbit Target Name: FZD4 Sample Tissue:
Human Lung Tumor Antibody Dilution: 1ug/ml

Western Blotting

Image 3. Host: Rabbit Target Name: FZD4 Sample Tissue:
Human Fetal Liver Antibody Dilution: 1.0ug/ml

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2776715.