

Rabbit DACH1 Polyclonal Antibody | anti-DACH1 antibody

DACH1 Antibody

CATALOG # AAA322835	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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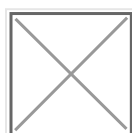
PRODUCT SYNONYMS

DACH1; Polyclonal Antibody; DACH1 Antibody; DACH; Dach1; DACH1_HUMAN; dachshund homolog 1 (Drosophila); Dachshund homolog 1; Dachsund homolog 1; FLJ10138; OTTHUMP00000018494; anti-DACH1 antibody

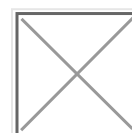
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	DACH1 antibody detects endogenous levels of DACH1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	504
Applicable Applications for anti-DACH1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human DACH1.
Subcellular Location	Nucleus.
Tissue Specificity	Widely expressed. Isoform 2 is found in brain, heart, kidney, liver, leukocytes and spleen. Isoform 3 is found in liver and heart. Isoform 4 is found in spleen.
Predicted Cross Reactivity	Pig, Rabbit, Chicken, Xenopus
Similarity	Pig (100%), Rabbit (100%), Chicken (100%), Xenopus (88%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES


WB (Western Blot)

Western blot analysis of extracts of HEK-293 cells, using DACH1 antibody.


IHC (Immunohistochemistry)

AAA322835 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-DACH1 antibody	Function: Transcription factor that is involved in regulation of organogenesis. Seems to be a regulator of SIX1, SIX6 and probably SIX5. Corepression of precursor cell proliferation in myoblasts by SIX1 is switched to coactivation through recruitment of EYA3 to the SIX1-DACH1 complex. Transcriptional activation seems also to involve association of CREBBP. Seems to act as a corepressor of SIX6 in regulating proliferation by directly repressing cyclin-dependent kinase inhibitors, including the p27Kip1 promoter (By similarity). Inhibits TGF-beta signaling through interaction with SMAD4 and NCOR1. Binds to chromatin DNA via its DACHbox-N domain (By similarity). Subunit Structure: Interacts with SIX1, SIX6 and EYA3. Interacts with NCOR1 and HDAC3 through its N-terminus. Interacts with SIN3A through its C-terminus (By similarity). Interacts with SMAD3 and SMAD4. Similarity: The DACHbox-N/DD1 domain forms a structure containing a DNA binding motif similar to that of the forkhead/winged helix domain. Belongs to the DACH/dachshund family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	628601831
NCBI GeneID	1602
NCBI Accession #	NP_004383.4
NCBI GenBank Nucleotide #	NM_004392.6
UniProt Accession #	Q9UI36; O75523; O75687; Q5VYY3; Q5VYY4; Q96SG3; Q96SG4; Q9H524; Q9UMH4; A0A087WZP2; D0FY35; D0FY36
Molecular Weight	Observed: 97-100 kDa Predicted: 79 kDa
NCBI Official Full Name	dachshund homolog 1 isoform c
NCBI Official Synonym Full Names	dachshund family transcription factor 1
NCBI Official Symbol	DACH1
NCBI Official Synonym Symbols	DACH
NCBI Protein Information	dachshund homolog 1
UniProt Protein Name	Dachshund homolog 1
UniProt Gene Name	DACH1
UniProt Synonym Gene Names	DACH; Dach1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dach1-antibody-immunohistochemistry-western-blot-elisa/322835>