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WDR35 Rabbit pAb

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Catalog # AP58668

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9P2L0
Predicted	Rat, Dog, Human, Mouse, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	133547
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human WDR35
Epitope Specificity	421-520/1181
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
DISEASE	Defects in WDR35 are the cause of cranioectodermal dysplasia type 2 (CED2) [MIM:613610]. A disorder characterized by craniofacial, skeletal and ectodermal abnormalities. Clinical features include short stature, dolichocephaly, craniosynostosis, narrow thorax with pectus excavatum, short limbs, brachydactyly, joint laxity, narrow palpebral fissures, telecanthus with hypertelorism, low-set simple ears, everted lower lip, and short neck. Teeth abnormalities included widely spaced, hypoplastic and fused teeth.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the WD repeat protein family. WD repeats are minimally conserved regions of approximately 40 amino acids typically bracketed by gly-his and trp-asp (GH-WD), which may facilitate formation of heterotrimeric or multiprotein complexes. Members of this family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. Two patients with Sensenbrenner syndrome / cranioectodermal dysplasia (CED) were identified with mutations in this gene, consistent with a possible ciliary function.[provided by RefSeq, Sep 2010]

Additional Information

Gene ID	57539
Other Names	WD repeat-containing protein 35, Intraflagellar transport protein 121 homolog, WDR35 (HGNC:29250)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	WDR35 (HGNC:29250)
Function	As a component of the IFT complex A (IFT-A), a complex required for retrograde ciliary transport and entry into cilia of G protein-coupled receptors (GPCRs), it is involved in ciliogenesis and ciliary protein trafficking (PubMed:21473986, PubMed:28400947, PubMed:29220510, PubMed:36775821). May promote CASP3 activation and TNF-stimulated apoptosis.
Cellular Location	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome {ECO:0000250|UniProtKB:Q8BND3}. Cytoplasm, cytoskeleton, cilium axoneme {ECO:0000250|UniProtKB:Q8BND3}. Cytoplasm, cytoskeleton, cilium basal body {ECO:0000250|UniProtKB:Q8BND3}

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.