

Datasheet for ABIN2780578
anti-COPS2 antibody (N-Term)

3 Images

1 Publication

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Overview

Quantity:	100 µL
Target:	COPS2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Zebrafish (Danio rerio), Rabbit, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COPS2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human COPS2
Sequence:	MSDMEDDFMC DDEEDYDLEY SEDSNSEPNV DLENQYYNSK ALKEDDPKAA
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against COPS2. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	COPS2
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Target Details

Alternative Name:	COPS2 (COPS2 Products)
Background:	<p>COPS2 is an essential component of the COP9 signalosome complex (CSN), a complex involved in various cellular and developmental processes. The CSN complex is an essential regulator of the ubiquitin (Ubl) conjugation pathway by mediating the deneddylation of the cullin subunits of SCF-type E3 ligase complexes. The complex is also involved in phosphorylation of p53/TP53, c-jun/JUN, IκappaBα/NFκBIA, ITPK1 and IRF8/ICSBP. COPS2 is also involved in early stage of neuronal differentiation via its interaction with NIF3L1.</p> <p>Alias Symbols: ALIEN, CSN2, SGN2, TRIP15</p> <p>Protein Interaction Partner: UBC, GPS1, Map3k10, 5830415F09Rik, Taf1b, EP300, Crebbp, cul1, COPS7B, EPB41L1, COPS5, FBXW4, SENP8, vpr, IRF5, COPS4, COPS7A, COPS6, COPS8, COPS3, PMPCA, SEPHS1, EHBP1L1, SLAIN2, GAPVD1, PFKFB2, SEPT2, IRS2, GRK5, DDB2, LRR1, DCAF11, DDA1, RFWD2, DCAF8,</p> <p>Protein Size: 443</p>
Molecular Weight:	51 kDa
Gene ID:	9318
NCBI Accession:	NM_004236 , NP_004227
UniProt:	P61203
Pathways:	Cell Division Cycle

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 443 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

Handling

should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

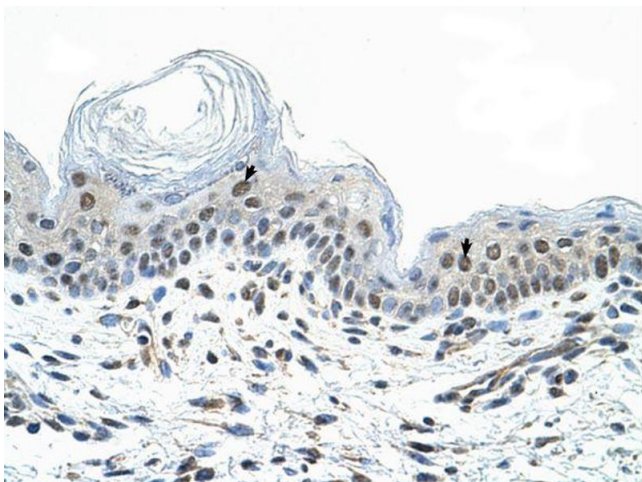
Storage: -20 °C

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

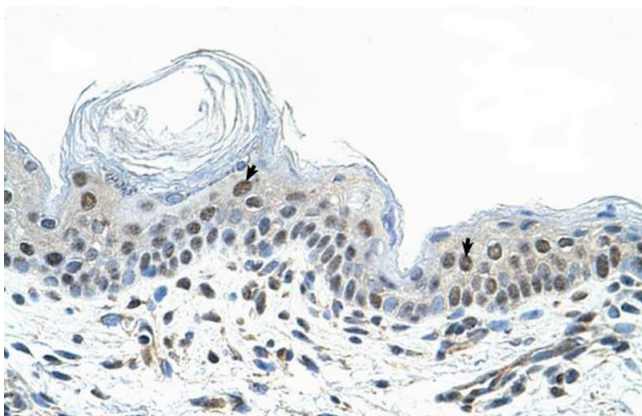
Product cited in: Renaud, Chakraborty, Mason, Rumi, Vivian, Soares: "OVO-like 1 regulates progenitor cell fate in human trophoblast development." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 112, Issue 45, pp. E6175-84, (2015) ([PubMed](#)).

Images



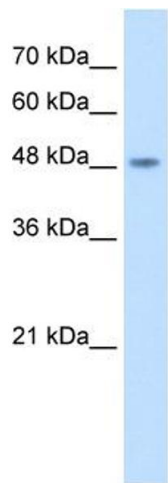
Immunohistochemistry

Image 1.



Immunohistochemistry

Image 2. Human Skin



Western Blotting

Image 3. WB Suggested Antibody Titration: 2.5 ug/ml
Positive Control: 293T COPS2 is strongly supported by BioGPS gene expression data to be expressed in Human HEK293T cells