Datasheet for ABIN2856103

anti-CDON antibody (N-Term)

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Overview

Quantity:	100 µL
Target:	CDON
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDON antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the N-terminus region of human CDO. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Mouse (Murine), Cow (Bovine)
Cross-Reactivity (Details):	Mouse (84 %), Bovine (85 %)
Characteristics:	Rabbit Polyclonal antibody to CDO (Cdon homolog (mouse)) CDO antibody [N1N2], N-term
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	CDON
Alternative Name:	CDO (CDON Products)
Background:	CDON and BOC (MIM 608708) are cell surface receptors of the immunoglobulin (Ig)/fibronectin type III (FNIII, see MIM 135600) repeat family involved in myogenic differentiation. CDON and BOC are coexpressed during development, form complexes with each other in a cis fashion, and are related to each other in their ectodomains, but each has a unique long cytoplasmic tail.[supplied by OMIM] Cellular Localization: Membrane
Molecular Weight:	139 kDa
Gene ID:	50937
Pathways:	Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development, Embryonic Body Morphogenesis

Application Details

Application Notes:	Suggested dilution Reference IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Western blot 1:500-1:3000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceIHC (Formalin-fixed paraffin-embedded sections)1:100-1:1000* Western blot1:500-1:3000*
Comment:	Positive Control: A431 , H1299 , HeLa , HepG2
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

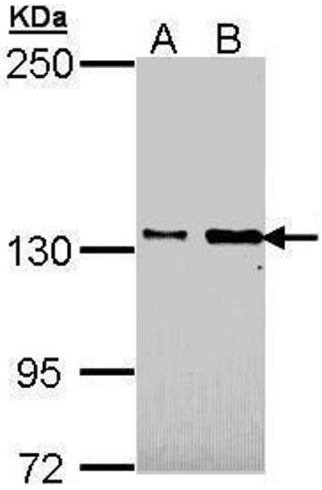
Handling

Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

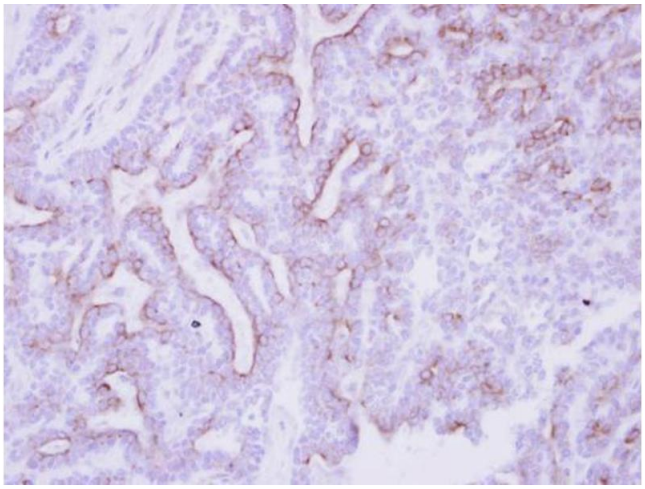
Product cited in:	Kim, Lee, Seppala, Cobourne, Kim: "Ptch2/Gas1 and Ptch1/Boc differentially regulate Hedgehog signalling in murine primordial germ cell migration." in: **Nature communications**, Vol. 11, Issue 1, pp. 1994, (2020) (PubMed). Lu, Chen, Tung, Chen, Pan, Chang, Cheng, Chen, Wang, Huang, Kang, Chang, Li, Chang, Shih, Lin, Kwan, Tsai: "Identification of genes associated with cortical malformation using a transposon-mediated somatic mutagenesis screen in mice." in: **Nature communications**, Vol. 9, Issue 1, pp. 2498, (2019) (PubMed).

Images



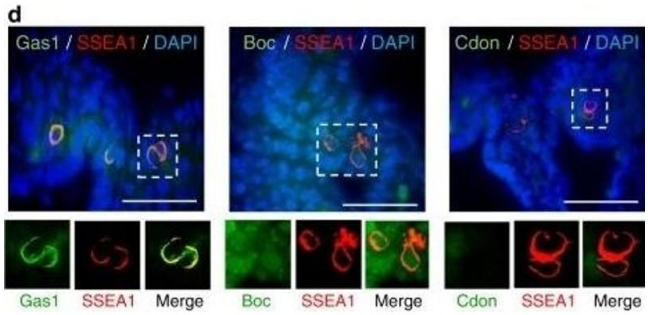
Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: H1299 B: Hela 5% SDS PAGE antibody diluted at 1:1000



Immunohistochemistry

Image 2. IHC-P Image Immunohistochemical analysis of paraffin-embedded human breast cancer, using CDO, antibody at 1:250 dilution.



Immunofluorescence (Paraffin-embedded Sections)

Image 3. Hh pathway genes and co-receptors are expressed in the PGC migratory niche in the mouse.a RT-PCR analyses of Hh pathway genes in E9.5 hindgut (HG), E10.5 urogenital ridge (UG) and E11.5 genital ridge (GR). b RT-PCR analysis of Ptch co-receptors, Boc, Cdon and Gas1 in E10.5 UG. c Immunofluorescence staining of Shh, Gas1, Boc and Cdon on E9.5 and E10.5 embryo sections. Scale bar, 50μm. d Co-staining of germ cell marker SSEA1 and Gas1, Boc or Cdon on the genital ridge area of E10.5 embryos. Scale bar, 50μm. e In situ hybridisation of Shh on the transverse section of E10.5 embryo counterstained with haematoxylin. The PGC migratory route from HG heading towards UG is illustrated by circled dots. n neural tube, nt notochord, a aorta, gr genital ridge, hg hindgut. Scale bar 100μm. - figure provided by CiteAb. Source: PMID32332736