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Goat Anti-BOC Antibody

Peptide-affinity purified goat antibody
Catalog # AF1164a

Specification

Goat Anti-BOC Antibody - Product Information

Application	**WB**
Primary Accession	Q9BWV1
Other Accession	NP_150279, 91653, 117606 (mouse)
Reactivity	**Human**
Predicted	**Mouse, Dog, Cow**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**121059**

Goat Anti-BOC Antibody - Additional Information

Gene ID 91653

Other Names
Brother of CDO, Protein BOC, BOC

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-BOC Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-BOC Antibody - Protein Information

Name BOC

Function
Component of a cell-surface receptor complex that mediates cell-cell interactions between muscle precursor cells. Promotes differentiation of myogenic cells.

Cellular Location
Cell membrane; Single-pass type I membrane protein Note=Enriched at sites of cell-cell contact

Tissue Location
Detected in skeletal muscle, heart, thymus, kidney and small intestine. Detected at lower levels in brain, placenta, lung and colon mucosa.

Goat Anti-BOC Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-BOC Antibody - Images



AF1164a (0.3 µg/ml) staining of Human Ileum lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-BOC Antibody - Background

CDON (MIM 608707) and BOC 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.

Goat Anti-BOC Antibody - References

A Three-Stage Genome-Wide Association Study of General Cognitive Ability: Hunting the Small Effects. Davis OS, et al. Behav Genet, 2010 Mar 21. PMID 20306291.
Segregation of ipsilateral retinal ganglion cell axons at the optic chiasm requires the Shh receptor Boc. Fabre PJ, et al. J Neurosci, 2010 Jan 6. PMID 20053908.
The cell surface membrane proteins Cdo and Boc are components and targets of the Hedgehog signaling pathway and feedback network in mice. Tenzen T, et al. Dev Cell, 2006 May. PMID 16647304.
A human protein-protein interaction network: a resource for annotating the proteome. Stelzl U, et al. Cell, 2005 Sep 23. PMID 16169070.
Netrins and neogenin promote myotube formation. Kang JS, et al. J Cell Biol, 2004 Nov 8. PMID

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