

Goat Anti-DIXDC1 Antibody
Peptide-affinity purified goat antibody
Catalog # AF2226a**Specification**

Goat Anti-DIXDC1 Antibody - Product Information

Application	WB
Primary Accession	Q155Q3
Other Accession	NP_219493 , 85458 , 330938 (mouse) , 363062 (rat)
Reactivity	Human
Predicted	Mouse, Rat, Dog, Cow
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	77478

Goat Anti-DIXDC1 Antibody - Additional Information**Gene ID** 85458**Other Names**

Dixin, Coiled-coil protein DIX1, Coiled-coil-DIX1, DIX domain-containing protein 1, DIXDC1, CCD1, KIAA1735

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-DIXDC1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-DIXDC1 Antibody - Protein Information**Name** DIXDC1**Synonyms** CCD1, KIAA1735**Function**

Positive effector of the Wnt signaling pathway; activates WNT3A signaling via DVL2. Regulates JNK activation by AXIN1 and DVL2.

Cellular Location

Cell junction, focal adhesion. Cytoplasm, cytoskeleton, stress fiber. Cytoplasm Note=Colocalizes with gamma-tubulin at the centrosome, both during interphase and mitosis (PubMed:19375513). Associated with actin stress fiber at the filament ends (PubMed:16814745)

Tissue Location

Ubiquitously expressed with higher expression in cardiac and skeletal muscles.

Goat Anti-DIXDC1 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 Cytometry](#)
- [Cell Culture](#)

Goat Anti-DIXDC1 Antibody - Images

AF2226a (0.5 µg/ml) staining of Human Skeletal Muscle lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-DIXDC1 Antibody - References

Dixdc1 is a critical regulator of DISC1 and embryonic cortical development. Singh KK, et al. Neuron, 2010 Jul 15. PMID 20624590.
Wnt signaling stabilizes the DIXDC1 protein through decreased ubiquitin-dependent degradation. Wang L, et al. Cancer Sci, 2010 Mar. PMID 20085589.
DIXDC1 targets p21 and cyclin D1 via PI3K pathway activation to promote colon cancer cell proliferation. Wang L, et al. Cancer Sci, 2009 Oct. PMID 19572978.
DIXDC1 co-localizes and interacts with gamma-tubulin in HEK293 cells. Wu Y, et al. Cell Biol Int, 2009 Jun. PMID 19375513.
DIXDC1 promotes retinoic acid-induced neuronal differentiation and inhibits gliogenesis in P19 cells.

Jing XT, et al. Cell Mol Neurobiol, 2009 Feb. PMID 18629627.