

LARGE (aa421-433) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3173a**Specification**

LARGE (aa421-433) Antibody (internal region) - Product Information

Application	WB, E
Primary Accession	O95461
Other Accession	NP_004728.1 , 9215
Reactivity	Human
Predicted	Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	88066

LARGE (aa421-433) Antibody (internal region) - Additional Information**Gene ID** 9215**Other Names**

Glycosyltransferase-like protein LARGE1, 2.4.-., Acetylglucosaminyltransferase-like 1A, Xylosyltransferase LARGE, 2.4.2.-, Beta-1, 3-glucuronyltransferase LARGE, 2.4.1.-, LARGE, KIAA0609, LARGE1

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 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

LARGE (aa421-433) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

LARGE (aa421-433) Antibody (internal region) - Protein Information**Name** LARGE1 ([HGNC:6511](#))**Synonyms** KIAA0609, LARGE

Function

Bifunctional glycosyltransferase with both alpha-1,3- xylosyltransferase and beta-1,3-glucuronyltransferase activities involved in the maturation of alpha-dystroglycan (DAG1) by glycosylation leading to DAG1 binding to laminin G-like domain- containing extracellular proteins with high affinity (PubMed:15661757, PubMed:15752776, PubMed:21987822, PubMed:22223806, PubMed:23125099, PubMed:25279697, PubMed:25279699). Elongates the glucuronyl-beta-1,4- xylose-beta disaccharide primer structure initiated by B4GAT1 by adding repeating units [-3-Xylose-alpha-1,3-GlcA-beta-1-] to produce a heteropolysaccharide (PubMed:22223806, PubMed:23125099, PubMed:25138275, PubMed:25279697, PubMed:25279699, PubMed:32975514). Requires the phosphorylation of core M3 (O-mannosyl trisaccharide) by POMK to elongate the glucuronyl-beta-1,4-xylose-beta disaccharide primer (PubMed:21987822). Plays a key role in skeletal muscle function and regeneration (By similarity).

Cellular Location

Golgi apparatus membrane; Single-pass type II membrane protein

Tissue Location

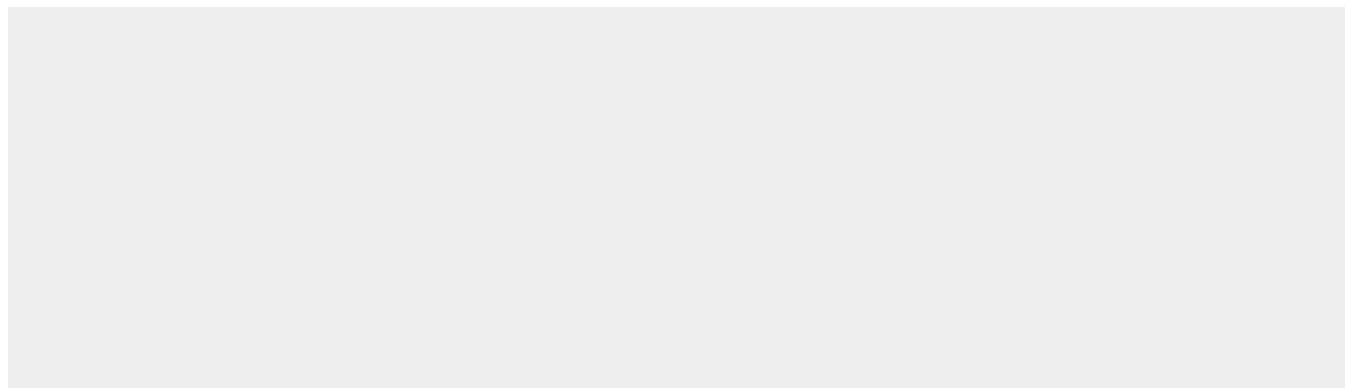
Ubiquitous. Highest expression in heart, brain and skeletal muscle.

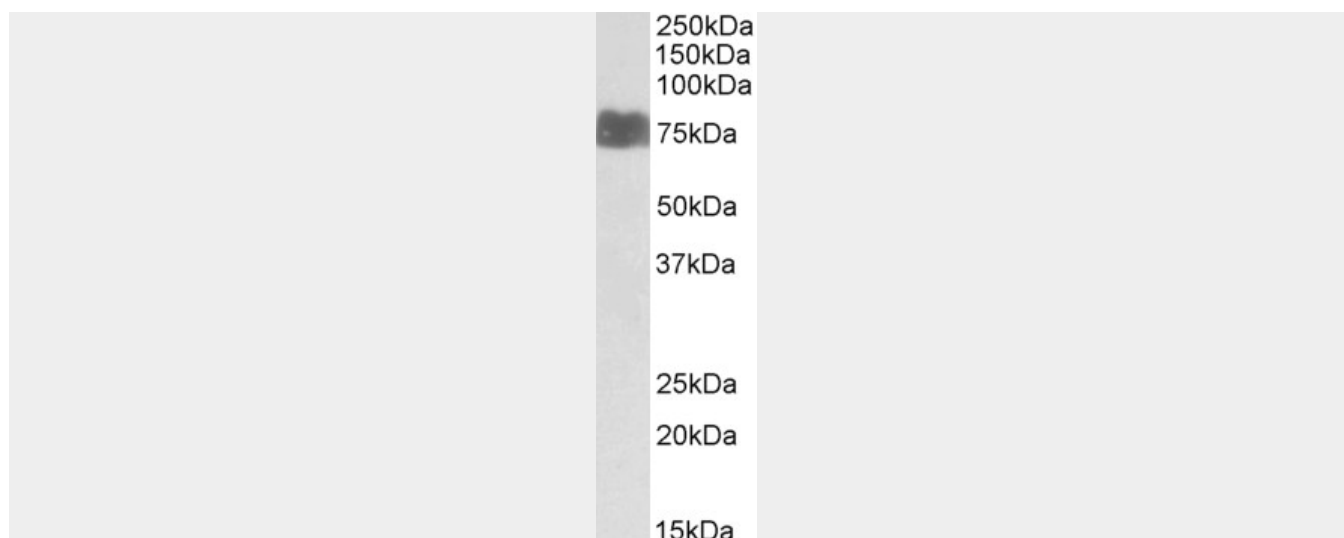
LARGE (aa421-433) Antibody (internal region) - Protocols

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](#)

LARGE (aa421-433) Antibody (internal region) - Images





AF3173a (1 µg/ml) staining of Human Kidney lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

LARGE (aa421-433) Antibody (internal region) - Background

Reported variants represent identical protein: NP_004728.1, NP_598397.1

LARGE (aa421-433) Antibody (internal region) - References

Loss of alpha-dystroglycan laminin binding in epithelium-derived cancers is caused by silencing of LARGE. de Bernab   DB, Inamori K, Yoshida-Moriguchi T, Weydert CJ, Harper HA, Willer T, Henry MD, Campbell KP, The Journal of biological chemistry 2009 Apr 24; 284 (17): 11279-84. PMID: 19244252