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DAD1 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS11446

Specification

DAD1 Antibody (C-Terminus) - Product Information

Application	**ICC, IF, WB, IHC**
Primary Accession	P61803
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**12kDa KDa**

DAD1 Antibody (C-Terminus) - Additional Information

Gene ID 1603

Other Names
Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit DAD1, Oligosaccharyl transferase subunit DAD1, 2.4.99.18, Defender against cell death 1, DAD-1, DAD1

Target/Specificity
peptide corresponding to 14 amino acids near the C-terminus of human DAD1

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions
DAD1 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

DAD1 Antibody (C-Terminus) - Protein Information

Name DAD1 (HGNC:2664)

Function
Subunit of the oligosaccharyl transferase (OST) complex that catalyzes the initial transfer of a defined glycan (Glc(3)Man(9)GlcNAc(2) in eukaryotes) from the lipid carrier dolichol-pyrophosphate to an asparagine residue within an Asn-X-Ser/Thr consensus motif in nascent polypeptide chains, the first step in protein N-glycosylation (PubMed:22467853, PubMed:31831667). N-glycosylation occurs cotranslationally and the complex associates with the Sec61 complex at the channel-forming translocon complex that mediates protein translocation across the endoplasmic reticulum (ER). All subunits are required for a maximal enzyme activity (By similarity). Required for the assembly of both SST3A- and SS3B- containing OST complexes. Loss of the DAD1 protein triggers apoptosis (PubMed:22467853).

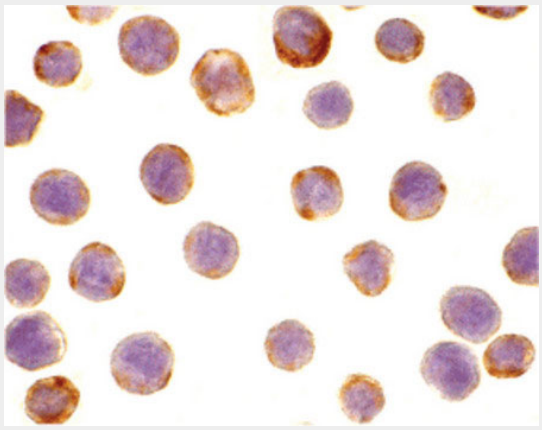
Cellular Location
Endoplasmic reticulum membrane; Multi-pass membrane protein

DAD1 Antibody (C-Terminus) - Protocols

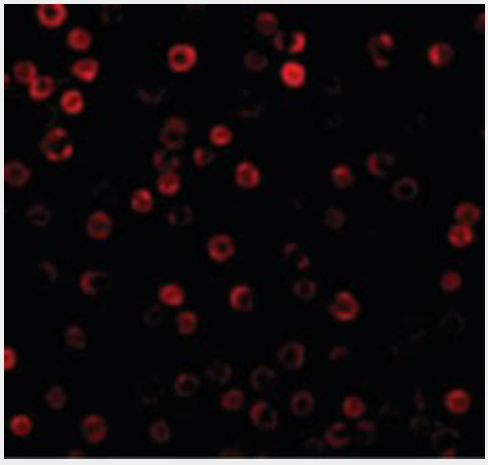
Provided below are standard protocols that you may find useful for product applications.

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

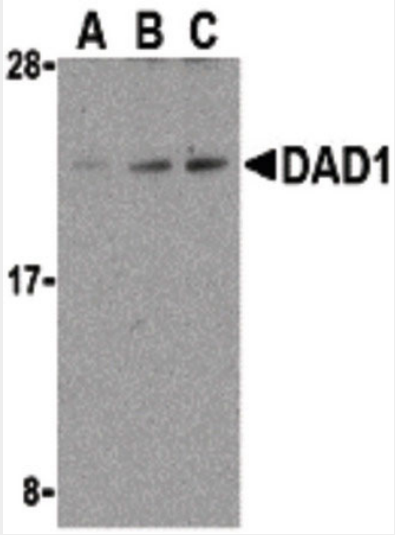
DAD1 Antibody (C-Terminus) - Images



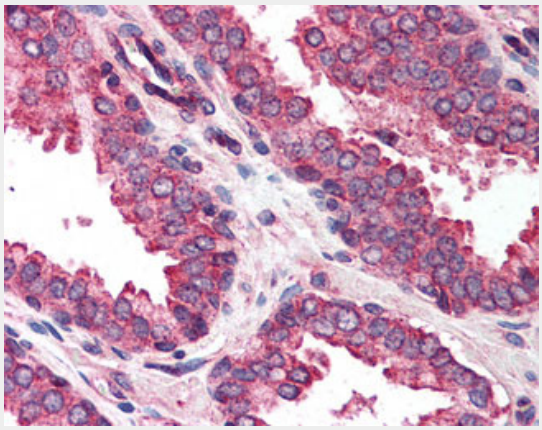
Immunocytochemistry of DAD1 in HepG2 cells with DAD1 antibody at 10 ug/ml.



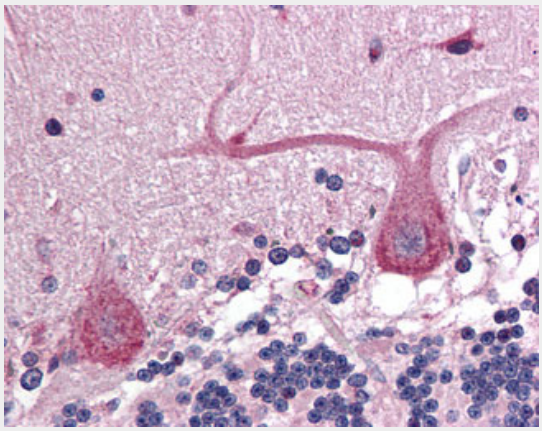
Immunofluorescence of DAD1 in HepG2 cells with DAD1 antibody at 10 ug/ml.



Western blot of DAD1 in HepG2 cell lysate with DAD1 antibody at (A) 0.5, (B) 1, and (C) 2 ug/ml.



Anti-DAD1 antibody IHC of human prostate.



Anti-DAD1 antibody IHC of human brain, cerebellum.

DAD1 Antibody (C-Terminus) - Background

Essential subunit of the N-oligosaccharyl transferase (OST) complex which catalyzes the transfer of a high mannose oligosaccharide from a lipid-linked oligosaccharide donor to an asparagine residue within an Asn-X-Ser/Thr consensus motif in nascent polypeptide chains. N-glycosylation occurs cotranslationally and the complex associates with the Sec61 complex at the channel-forming translocon complex that mediates protein translocation across the endoplasmic reticulum (ER). Loss

of the DAD1 protein triggers apoptosis (By similarity).

DAD1 Antibody (C-Terminus) - References

Nakashima T.,et al.Mol. Cell. Biol. 13:6367-6374(1993).
Wang K.,et al.Submitted (JAN-1997) to the EMBL/GenBank/DDBJ databases.
Ebert L.,et al.Submitted (MAY-2004) to the EMBL/GenBank/DDBJ databases.
Halleck A.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.