

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).

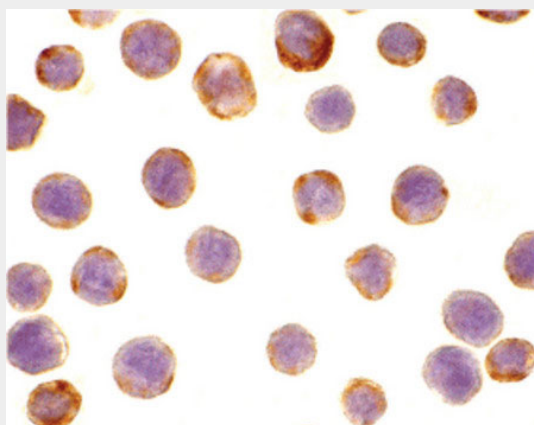
Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein

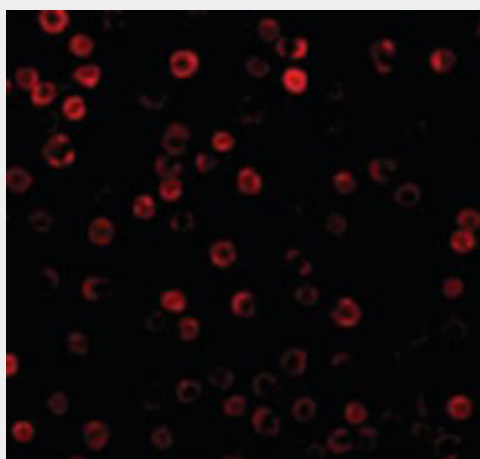
DAD1 Antibody (C-Terminus) - Protocols

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

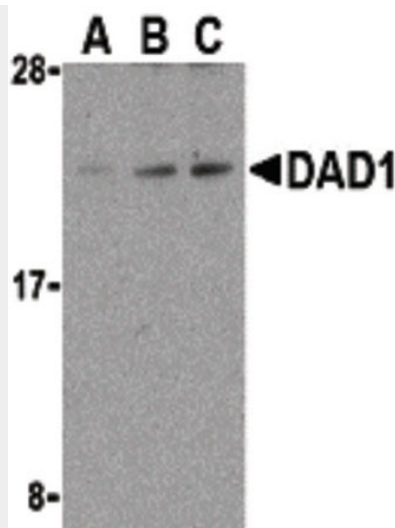
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DAD1 Antibody (C-Terminus) - Images

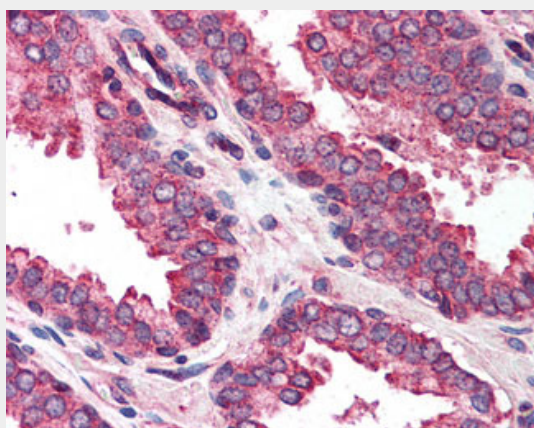
Immunocytochemistry of DAD1 in HepG2 cells with DAD1 antibody at 10 ug/ml.



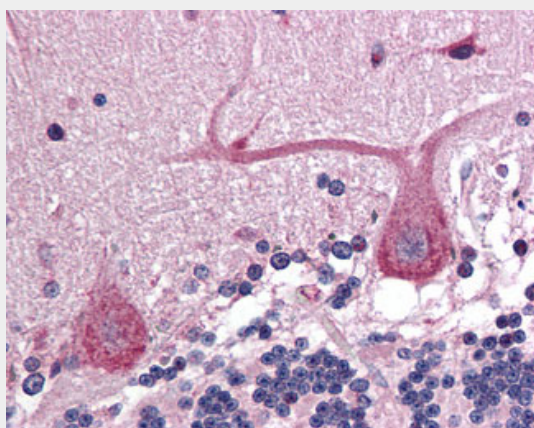
Immunofluorescence of DAD1 in HepG2 cells with DAD1 antibody at 10 ug/ml.



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.