

DIDO1 Antibody

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W	H M R	Endogenous	70, 80, 130, 247	Rabbit	#Q9BTC0	11083

Product Usage Information**Application**

Western Blotting

Dilution

1:1000

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

DIDO1 Antibody detects endogenous levels of DIDO1 and other isoforms including DIDO2 and DIDO3. An unknown band is detected in HepG2 cells at 35 kDa.

Species predicted to react based on 100% sequence homology

Monkey

Source / Purification

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Thr160 of human DIDO1. Antibodies were purified by protein A and peptide affinity chromatography.

Background

The putative transcription factor DIDO1 (death inducer obliterator 1, also termed DIO-1 or DATF1) contains a pair of zinc finger motifs and is upregulated by apoptotic stimuli. DIDO1 is expressed in the developing limb and may play a role in controlling programmed cell death during development (1-3). Nuclear translocation of DIDO1 during apoptosis is associated with its apoptotic activity (2). Alternative splicing produces the DIDO-1, -2 and -3 isoforms (also termed DIO-1, -2, -3), whose targeted disruption in mice produces a phenotype similar to myelodysplastic/myeloproliferative disease (MPS/MPD) in humans (3). DIDO3, the largest of the splice variants, is associated with the centrosome and plays a role in mitotic checkpoint and chromosome stability (4).

Background References

1. García-Domingo, D. et al. (1999) *Proc Natl Acad Sci U S A* 96, 7992-7.
2. Gomes, I. et al. (2002) *Blood* 100, 107-19.
3. Fütterer, A. et al. (2005) *J Clin Invest* 115, 2351-62.
4. Trachana, V. et al. (2007) *Proc Natl Acad Sci U S A* 104, 2691-6.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting

Cross-Reactivity Key

H: Human **M:** Mouse **R:** Rat

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