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Store at -20C  
#3605

## DIDO1 Antibody

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

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