

# DIDO1 Polyclonal antibody

Catalog Number: 10183-1-AP

## Basic Information

<b>Catalog Number:</b> 10183-1-AP	<b>GenBank Accession Number:</b> BC000770	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 750 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 11083	<b>Recommended Dilutions:</b> WB 1:1000-1:6000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9BTC0	<b>IHC 1:50-1:500</b>
<b>Isotype:</b> IgG	<b>Full Name:</b> death inducer-obliterator 1	<b>IF/ICC 1:50-1:500</b>
<b>Immunogen Catalog Number:</b> AG0237	<b>Calculated MW:</b> 59 kDa	
	<b>Observed MW:</b> 300-350 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, ELISA

**Species Specificity:**  
human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB :** Raji cells,

**IHC :** human breast cancer tissue,

**IF/ICC :** HepG2 cells,

## Background Information

DIDO1, also termed DATF-1, C20orf158, DATF1, KIAA0333 and DIO-1, is a putative transcription factor, weakly pro-apoptotic when overexpressed. It is a tumor suppressor. In mice, DIDO1 is upregulated by apoptotic signals and encodes a cytoplasmic protein that translocates to the nucleus upon apoptotic signal activation. When overexpressed, the mouse protein induced apoptosis in cell lines growing in vitro. The human DIDO1 is similar to the mouse gene and therefore is thought to be involved in apoptosis.

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

**Aliquoting is unnecessary for -20°C storage**

**\*\*\* 20ul sizes contain 0.1% BSA**

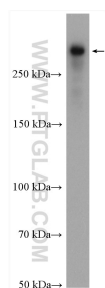
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

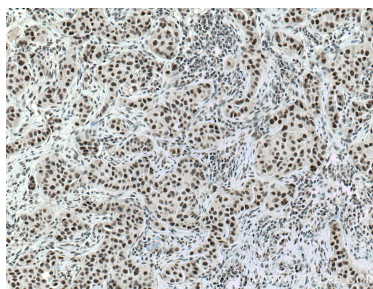
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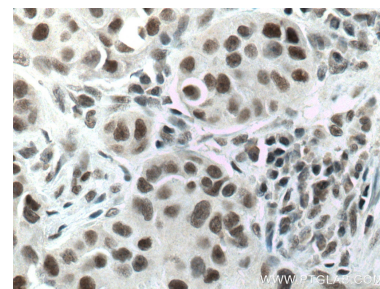
## Selected Validation Data



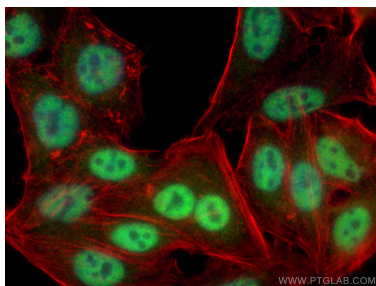
Raji cells were subjected to SDS PAGE followed by western blot with 10183-1-AP (DIDO1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10183-1-AP (DIDO1 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10183-1-AP (DIDO1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using DIDO1 antibody (10183-1-AP) at dilution of 1:200 and Coralite® 488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).