10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

DATF1 Rabbit pAb

Catalog # AP99464

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9BTC0
Other Accession	Q9BTC0
Reactivity	Mouse
Predicted	Rat, Human, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	243873
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DATF1
Epitope Specificity	1-100/2240
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the indoleamine 2,3-dioxygenase family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Apoptosis plays an important role in many cellular processes. In mice, the death inducer obliterator 1 (Dio1) gene, a putative transcription factor, is upregulated by apoptotic signals and encodes a cytoplasmic protein that translocates to the nucleus upon apoptotic signal activation. Dio1 expression is upregulated when an apoptosis is detected. When overexpressed, the mouse protein induced apoptosis in cell lines growing in vitro. Human DATF1 (death associated transcription factor 1) is similar to the mouse gene and therefore is thought to be involved in apoptosis.

Additional Information

Gene ID	11083
Other Names	BYE1; C20orf158; DATF-1; DATF1; DIDO2; DIDO3; DIO-1; DIO1; dJ885L7.8; 6720461J16Rik; C130092D22Rik; D130048F08Rik; dido; DIDO1_HUMAN; DIDO1; hDido1; Death-associated transcription factor 1 (DATF-1); KIAA0333; DIDO1_MOUSE; death inducer-obliterator 1; chromosome 20 open reading frame 158; death associated transcription factor 1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	DIDO1
Synonyms	C20orf158, DATF1, KIAA0333
Function	Putative transcription factor, weakly pro-apoptotic when overexpressed (By similarity). Tumor suppressor. Required for early embryonic stem cell development.
Cellular Location	Cytoplasm. Nucleus {ECO:0000255|PROSITE-ProRule:PRU00651}. Cytoplasm, cytoskeleton, spindle. Note=Translocates to the nucleus after pro-apoptotic stimuli (By similarity). Translocates to the mitotic spindle upon loss of interaction with H3K4me3 during early mitosis.
Tissue Location	Ubiquitous.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.