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Product datasheet for AP20551PU-S

DATF1 (DIDO1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	**Western blot:** 1/500-1/1000. **Immunofluorescence:** 1/50-1/200. **Immunohistochemistry on Paraffin Sections:** 1/50-1/200.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of DIDO1 / Dio-1 protein. (region surrounding Ser186)
Formulation:	Phosphate buffered saline (PBS), pH~7.2 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~244 kDa
Gene Name:	death inducer-obliterator 1
Database Link:	Entrez Gene 23856 MouseEntrez Gene 11083 Human Q9BTC0

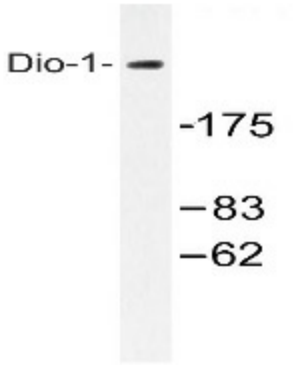
View online »

Background: DIDO1 / Dio-1 (Death Inducer-Obliterator-1) is a putative transcription factor that contains two zinc finger motifs. Dio-1 translocates to the nucleus, and activates apoptosis during limb development. Programmed cell death, a highly regulated form of apoptosis, plays an important role in determining the amount of tissue, the shape, and the definition of each digit during limb development. Dio-1 expression is upregulated when an apoptotic signal is detected, and subsequently apoptosis is induced. This process is similar to the expression of NFκB and NGF in response to external signals. Dio-1 expression is suppressed by caspase inhibitors and Bcl-2 expression. This supports the theory that Dio-1 functions in the onset of programmed cell death.

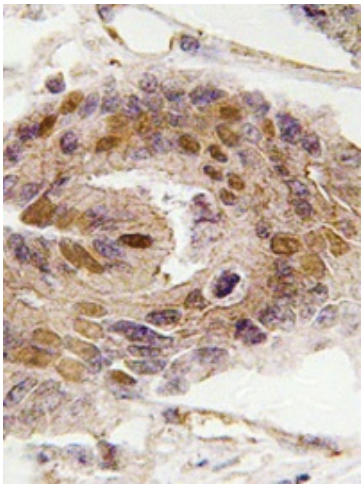
Synonyms: Death-inducer obliterator 1, DATF1, C20orf158, KIAA0333

Protein Families: Druggable Genome, Transcription Factors

Product images:



Western blot (WB) analysis with extracts from 293 cells using DIDO1 / Dio-1 antibody (Cat.-No. [AP20551PU-N]).



Immunohistochemistry analyzes of paraffin-embedded human colon carcinoma tissue using DIDO1 antibody (Cat.-No. [AP20551PU-N]).