

Rabbit ID2 Polyclonal Antibody | anti-ID2 antibody

ID2 Polyclonal Antibody

CATALOG # AAA37188	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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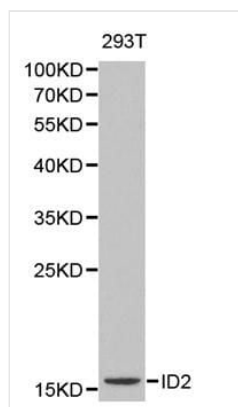
PRODUCT SYNONYMS

ID2; Polyclonal Antibody; ID2 Polyclonal Antibody; GIG8; ID2A; ID2H; bHLHb26; DNA-binding protein inhibitor ID-2; anti-ID2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Sequence Length	134
Applicable Applications for anti-ID2 antibody	WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 75-134 of human ID2 (NP_002157.2)
Calculated MW	14 kDa
Observed MW	15 kDa
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of 293T cells, using ID2 antibody. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-ID2 antibody	Inhibitor of DNA-binding-2 (Id2) is a member of the Id proteins which belong to the helix-loop-helix (HLH) protein family. The Id protein functions by binding to specific transcription factors and preventing their dimerization and DNA binding (1-3). Id2 interacts with a wide variety of transcription factors including E proteins (5), TCS (4), Pax (6) and the tumor suppressor Rb (1). Id2 has been shown to be important in regulating cellular differentiation, proliferation, development and tumorigenesis (7-9). In tumor cells, increased levels of Id2 functionally inactivate Rb, leading to cellular transformation and cancer (10,11). Id2 is therefore a promising therapeutic target for treatment of cancer (12).
Product Categories/Family for anti-ID2 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	729806
NCBI GeneID	3398
UniProt Accession #	Q02363
NCBI Official Full Name	DNA-binding protein inhibitor ID-2
NCBI Official Synonym Full Names	inhibitor of DNA binding 2, dominant negative helix-loop-helix protein
NCBI Official Symbol	ID2
NCBI Official Synonym Symbols	GIG8; ID2A; ID2H; bHLHb26
NCBI Protein Information	DNA-binding protein inhibitor ID-2; helix-loop-helix protein ID2; cell growth-inhibiting gene 8; inhibitor of differentiation 2; DNA-binding protein inhibitor ID2; class B basic helix-loop-helix protein 26
UniProt Protein Name	DNA-binding protein inhibitor ID-2
UniProt Gene Name	ID2
UniProt Synonym Gene Names	BHLHB26; bHLHb26
UniProt Entry Name	ID2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.