

Product datasheet for **TA330145**

ID2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-ID2 antibody: synthetic peptide directed towards the middle region of human ID2. Synthetic peptide located within the following region: TIVSLHHQRPQGNQASRTPLTTLNTDISILSLQASEFPSELMSNDSKALC
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	15 kDa
Gene Name:	inhibitor of DNA binding 2, HLH protein
Database Link:	NP_002157 Entrez Gene 3398 Human Q02363



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Background:

ID2 belongs to the inhibitor of DNA binding (ID) family, members of which are transcriptional regulators that contain a helix-loop-helix (HLH) domain but not a basic domain. Members of the ID family inhibit the functions of basic helix-loop-helix transcription factors in a dominant-negative manner by suppressing their heterodimerization partners through the HLH domains. This protein may play a role in negatively regulating cell differentiation. The protein encoded by this gene belongs to the inhibitor of DNA binding (ID) family, members of which are transcriptional regulators that contain a helix-loop-helix (HLH) domain but not a basic domain. Members of the ID family inhibit the functions of basic helix-loop-helix transcription factors in a dominant-negative manner by suppressing their heterodimerization partners through the HLH domains. This protein may play a role in negatively regulating cell differentiation. A pseudogene has been identified for this gene. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Synonyms:

bHLHb26; GIG8; ID2A; ID2H

Note:

Immunogen sequence homology: Bovine: 100%; Human: 100%; Mouse: 100%; Rat: 100%; Pig: 92%; Chicken: 84%

Protein Families:

ES Cell Differentiation/IPS, Stem cell relevant signaling - TGFb/BMP signaling pathway, Transcription Factors

Protein Pathways:

TGF-beta signaling pathway

Product images:

WB Suggested Anti-ID2 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:1562500; Positive Control: Human Thymus