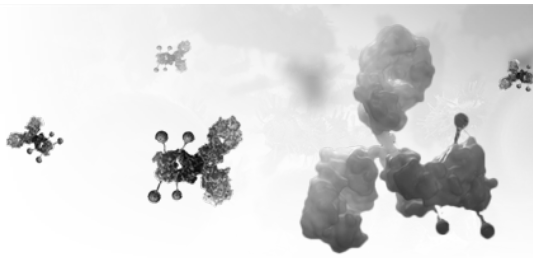

Anti-ID2 (full length) polyclonal antibody (DPAB-DC1649)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene belongs to the inhibitor of DNA binding family, members of which are transcriptional regulators that contain a helix-loop-helix (HLH) domain but not a basic domain. Members of the inhibitor of DNA binding 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 of this gene is located on chromosome 3.
Immunogen	ID2 (AAH30639, 1 a.a. ~ 134 a.a) full-length recombinant protein with GST tag. The sequence is MKAFSPVRSVRKNSLSDHSLGISRSKTPVDDPMSLLYNMNDCYSKLKELVPSIPQNKKVS KMEILQHVIDYILDLQIALDSHPTIVSLHHQRPGQNQASRTPLTTLNTDISILSLQASEF PSELMSNDSKALCG
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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GENE INFORMATION

Gene Name	ID2 inhibitor of DNA binding 2, dominant negative helix-loop-helix protein [Homo sapiens (human)]
Official Symbol	ID2
Synonyms	ID2; inhibitor of DNA binding 2, dominant negative helix-loop-helix protein; GIG8; ID2A; ID2H; bHLHb26; 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;
Entrez Gene ID	3398
Protein Refseq	NP_002157
UniProt ID	Q02363
Chromosome Location	2p25
Pathway	HIF-1-alpha transcription factor network; Hippo signaling pathway; Regulation of Wnt-mediated beta catenin signaling and target gene transcription; TGF-beta signaling pathway
Function	ion channel binding; protein binding; protein dimerization activity;

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