DNAxPAb | Hard-to-Find Antibody

ID4 DNAxPab

Catalog # H00003400-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human ID4 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MKAVSPVRPSGRKAPSGCGGGELALRCLAEHGHSLGGSAAAAAAAAAARCKAAEAAADEPAL CLQCDMNDCYSRLRRLVPTIPPNKKVSKVEILQHVIDYILDLQLALETHPALLRQPPPPAPPHHPAG TCPAAPPRTPLTALNTDPAGAVNKQGDSILCR
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — ID4

Entrez GeneID	3400
GeneBank Accession#	NM_001546.2
Protein Accession#	NP_001537.1
Gene Name	ID4
Gene Alias	IDB4, bHLHb27
Gene Description	inhibitor of DNA binding 4, dominant negative helix-loop-helix protein
Omim ID	600581
Gene Ontology	Hyperlink
Gene Summary	Transcription factors containing a basic helix-loop-helix (bHLH) motif regulate expression of tissue-specific genes in a number of mammalian and insect systems. DNA-binding activity of the bHLH proteins is dependent on formation of homo- and/or heterodimers. Dominant-negative HLH proteins encoded by Id-related genes, such as ID4, also contain the HLH-dimerization domain but lack the DNA-binding basic domain. Consequently, Id proteins inhibit binding to DNA and transcriptional transactivation by heterodimerization with bHLH proteins (Pagliuca et al., 1995 [PubMed 7665172]).[supplied by OMIM
Other Designations	OTTHUMP00000016081

Pathway

- TGF-beta signaling pathway