

## ID3 Polyclonal Antibody

Catalog number: 10389-1-AP

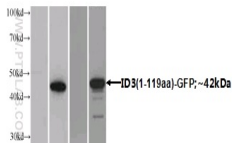
Size: 21 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

ID3; 1R21, bHLHb25, HEIR 1, HEIR1, ID3, Inhibitor of DNA binding 3



-	+	-	+	Overexpression of ID3-GFP
+	+	-	-	Rabbit Anti human ID3 polyclonal antibody
-	-	+	+	Mouse Anti GFP-tag monoclonal antibody

Transfected HEK-293 cells were subjected to SDS PAGE followed by western blot with 10389-1-AP (ID3 Antibody) at dilution of 1:1000

### Background

The helix-loop-helix (HLH) family of transcription factors plays a central role in the regulation of cell growth, differentiation and tumorigenesis. Members of the Id (inhibitor of DNA binding) class of these nuclear proteins are able to heterodimerise with and thereby antagonise the functions of other transcription factors of this family. Inhibitor of DNA binding 3, dominant negative helix-loop-helix protein (ID3, synonym: HEIR-1) is a member of the ID family of HLH proteins, which lacks a basic DNA-binding domain and inhibits transcription through formation of nonfunctional dimers that are incapable of binding to DNA.

### Applications

Tested applications:	ELISA, WB
Cited applications:	IHC
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Rat
Calculated ID3 MW:	13.5 kDa
Observed ID3 MW:	
Positive WB detected in	Transfected HEK-293 cells
Recommended dilution:	WB: 1:500-1:5000

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag0588
GenBank accession number:	BC003107
Gene ID (NCBI):	3399
Full name:	Inhibitor of DNA binding 3, dominant negative helix-loop-helix protein

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.