



Rabbit Anti-ID2/FITC Conjugated antibody

SL3515R-FITC

Product Name:	Anti-ID2/FITC
Chinese Name:	FITC标记的DNA结合抑制因子2抗体
Alias:	ID2; GIG-8; GIG8; GIG 8; Helix loop helix protein ID2; ID2A; ID-2; ID2H; Inhibitor of differentiation 2; Inhibitor of DNA binding 2; Inhibitor of DNA binding 2, dominant negative helix loop helix protein; MGC26389; bHLHb26; Cell growth inhibiting gene 8; DNA binding protein inhibitor ID 2; BHLHB26; ID2_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
Applications:	IF=1:50-200 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	15kDa
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GIG8/ID2
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail:	background: The protein encoded by this gene belongs to the inhibitor of DNA binding (ID) family, and may play a role in negatively regulating cell differentiation. Members of the ID family are transcriptional regulators that contain a helix-loop-helix (HLH) domain but not a basic domain. They inhibit the functions of basic helix-loop-helix transcription factors in a dominant-negative manner, by suppressing their heterodimerization partners through the HLH domains.

Function:

ID (inhibitor of DNA binding) HLH proteins lack a basic DNA-binding domain but are able to form heterodimers with other HLH proteins, thereby inhibiting DNA binding. ID-2 may be an inhibitor of tissue-specific gene expression.

Subunit:

Heterodimer with other HLH proteins. Interacts with GATA4, IFI204 and NKX2-5. Interacts with NROB2.

Subcellular Location:

Cytoplasm. Nucleus.

Tissue Specificity:

Highly expressed in early fetal tissues, including those of the central nervous system.

Similarity:

Contains 1 basic helix-loop-helix (bHLH) domain.

Database links:

[Entrez Gene: 3398](#)Human

[Entrez Gene: 15902](#)Mouse

[Oimim: 600386](#)Human

[SwissProt: Q02363](#)Human

[SwissProt: P41136](#)Mouse

[Unigene: 180919](#)Human

[Unigene: 34871](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.