

Rabbit Anti-CRIPTO/Cy5 Conjugated antibody

SL1566R-Cy5

Product Name	Anti-CRIPTO/Cy5
Chinese Name	Cy5 标记的畸胎瘤衍化生长因子抗体(N 端)
Alias	CRIPTO; CRIPT; CR; CRGF; Cripto 1; Cripto-1; Cripto 1 growth factor; Cripto-1 growth factor; Cripto1; Cripto1 growth factor; Epidermal growth factor like cripto protein CR1; Epidermal growth factor-like cripto protein CR1; TDGF 1; TDGF-1; TDGF1; Teratocarcinoma derived growth factor 1; Teratocarcinoma-derived growth factor 1; teratocarcinoma-derived growth factor 1 isoform 1 precursor; TDGF1_HUMAN.
Research Area	Tumour Signal transduction Apoptosis transcriptional regulatory factor
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human(predicted:Mouse,Rat) IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	13kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Teratocarcinoma-derived growth factor 1
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background:

This gene encodes an epidermal growth factor-related protein that contains a cripto, FRL-1, and cryptic domain. The encoded protein is an extracellular, membrane-bound signaling protein that plays an essential role in embryonic development and tumor growth. Mutations in this gene are associated with forebrain defects. Pseudogenes of this gene are found on chromosomes 2, 3, 6, 8, 19 and X. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Mar 2010].

Function:

Could play a role in the determination of the epiblastic cells that subsequently give rise to the mesoderm.

Subunit:

Interacts with the activin type-1 receptor ACVR1B.

Subcellular Location:

Cell membrane; Lipid-anchor, GPI-anchor.

Tissue Specificity:

Preferentially expressed in gastric and colorectal carcinomas than in their normal counterparts. Expressed in breast and lung.

Similarity:

Contains 1 EGF-like domain.

Database links:

[Entrez Gene: 6997](#) Human

[Entrez Gene: 21667](#) Mouse

[Entrez Gene: 680246](#) Rat

[Omim: 187395](#) Human

[SwissProt: P13385](#) Human

[SwissProt: P51865](#) Mouse

[Unigene: 385870](#) Human

[Unigene: 5090](#) Mouse

Important Note:

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

Cripto-1 是表皮生长因子-Cripto-FRL-Criptic(EGF-CFC)家族成员之一,属于转化生长细胞 TGF- β 蛋白家族及 Nodal 蛋白质的共同受体。Cripto 蛋白对于胚胎的发育占有非常重要的地位。

Cripto-1 在人类的多种 Tumour 如结肠癌、乳腺癌、卵巢癌、胰腺癌等中高表达,可激活 P13K/Akt/GSK-3 β -Src 和 ras/raf/MAPK 信号通路,介导细胞增殖和抑制 Apoptosis, Cripto 蛋白的单细胞繁殖抗体,可以有效抑制一些癌细胞的生长。