SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CRIPTO antibody

Catalog Number: SL1566R

FOR RESEARCH USE ONLY

[DATASHEET]

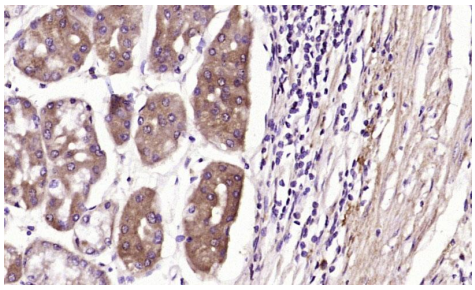
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CRIPTO
Immunogen:	KLH conjugated synthetic peptide derived from human TDGF1: 31-150/188
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Mouse,Rat)
Predicted MW.:	13kDa
Subcellular Location:	The cell membrane Secretory protein
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.

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

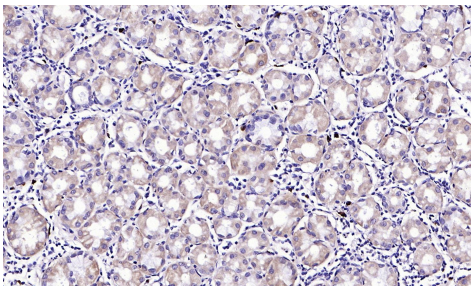
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	Similarity: Contains 1 EGF-like domain. **Database links:** **Entrez Gene:** 6997 Human **Entrez Gene:** 21667 Mouse **Entrez Gene:** 680246 Rat Omim: 187395 Human **SwissProt:** P13385 Human **SwissProt:** P51865 Mouse **Unigene:** 385870 Human **Unigene:** 5090 Mouse Cripto-1 is a member of the epidermal growth factor-Cripto-FRL-Criptic (EGF-CFC) family, belongs to the transforming growth TGF-β protein family and the common Receptor of Nodal protein. Cripto protein occupies a very important position in embryonic development. Cripto-1 is highly expressed in a variety of human Tumours such as colon cancer, breast cancer, ovarian cancer, pancreatic cancer, etc., can activate P13K/Akt/GSK-3β c-Src and the ras/raf/MAPK signaling pathway, mediates cell proliferation and inhibits Apoptosis. The single-cell reproductive antibody of Cripto protein can effectively inhibit the growth of some cancer cells.

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CRIPTO) Polyclonal Antibody, Unconjugated (SL1566R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CRIPTO) Polyclonal Antibody, Unconjugated (SL1566R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

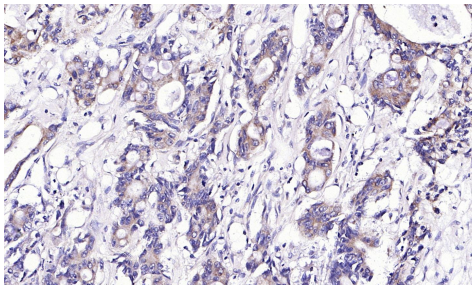
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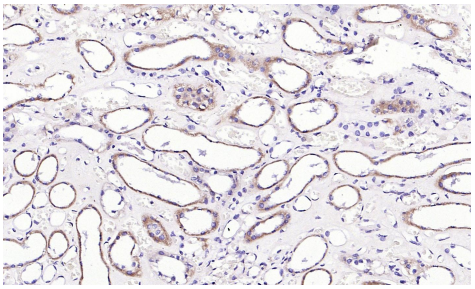
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Paraformaldehyde-fixed, paraffin embedded (human rectal carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CRIPTO) Polyclonal Antibody, Unconjugated (SL1566R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CRIPTO) Polyclonal Antibody, Unconjugated (SL1566R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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