



Rabbit Anti-MTA3 antibody

SL20028R

Product Name:	MTA3
Chinese Name:	转移相关蛋白MTA3抗体
Alias:	1110002J22Rik; fj99h01; KIAA1266; Metastasis associated 1 family, member 3; Metastasis associated 3; Metastasis associated family, member 3; Metastasis associated gene 3; Metastasis associated gene family, member 3; Metastasis associated protein MTA3; Metastasis-associated protein MTA3; MGC56396; MGC77410; mKIAA1266; mta1; Mta3; MTA3 metastasis associated 1 family, member 3; Mta3 metastasis associated 3; MTA3 HUMAN; wu:fj99h01; zgc:56396.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	67kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MTA3:501-594/594
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.
PubMed:	PubMed
Product Detail:	Metastasis-associated protein 3 (MTA3) is a subunit of the Mi-2/NuRD transcriptional corepressor complex. MTA3 and the Mi-2/NuRD complex mediate repression of Snail

in breast cancer cells where MTA3 works to maintain a differentiated, epithelial status. The protein is involved in gene expression regulation by covalent modifications of histone proteins. There are two known isoforms of MTA3, a short and a long form. The short isoform binds to ER and sequesters it to the cytoplasm and better non-genomic responses, whereas the long form is found in the nucleus. MTA3 is widely expressed in with highest expression in brain, adrenal glands, ovaries and virgin mammary glands. It has been found to be expressed in higher levels in tumors than in adjacent normal tissue in the same individual.

Function:

Plays a role in maintenance of the normal epithelial architecture through the repression of SNAIL1 transcription in a histone deacetylase-dependent manner, and thus the regulation of E-cadherin levels.

Subcellular Location:

Nucleus.

Similarity:

Contains 1 BAH domain.

Contains 1 ELM2 domain.

Contains 1 GATA-type zinc finger.

Contains 1 SANT domain.

SWISS:

Q9BTC8

Gene ID:

57504

Database links:

[Entrez Gene: 57504](#) Human

[Entrez Gene: 116871](#) Mouse

[Entrez Gene: 298763](#) Rat

[Omim: 609050](#) Human

[SwissProt: A6QL72](#) Cow

[SwissProt: Q9BTC8](#) Human

[SwissProt: Q924K8](#) Mouse

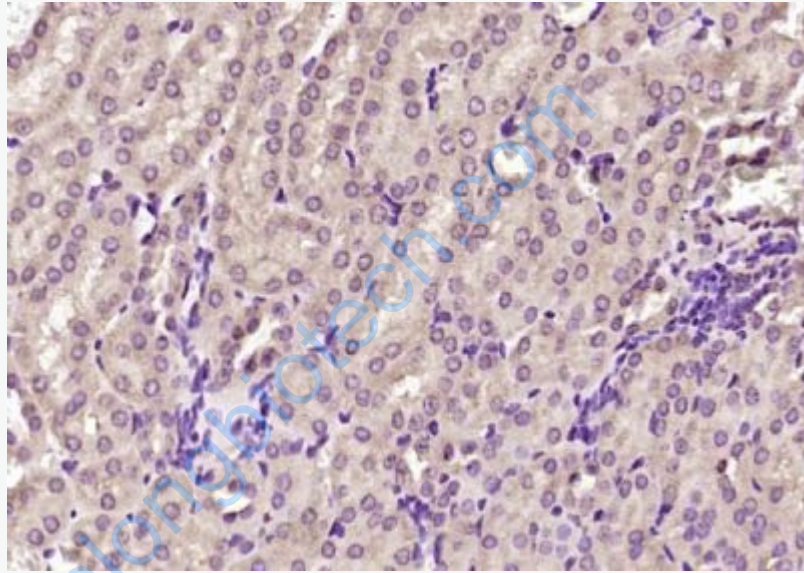
[Unigene: 435413](#) Human

[Unigene: 277668](#) Mouse

[Unigene: 94848](#) Rat

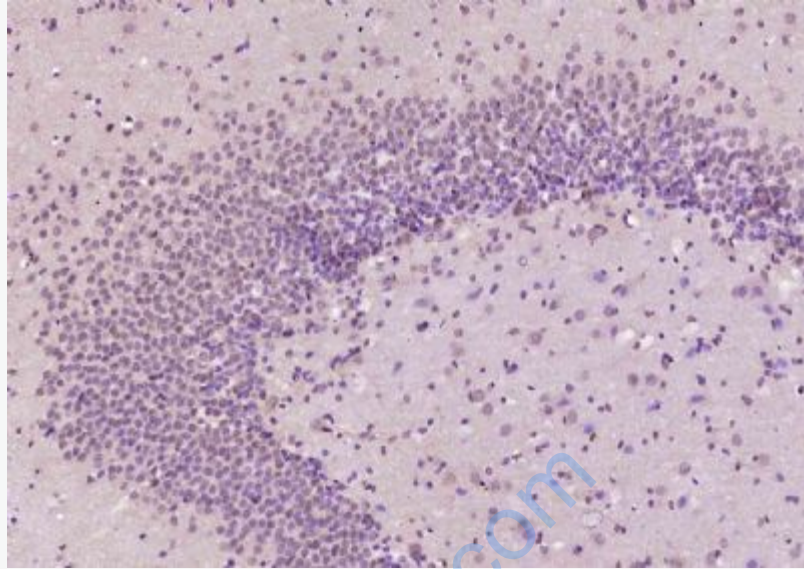
Important Note:

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



Picture:

Paraformaldehyde-fixed, paraffin embedded (mouse 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 (MTA3) Polyclonal Antibody, Unconjugated (SL20028R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat brain); 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 (MTA3) Polyclonal Antibody, Unconjugated (SL20028R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.