
Ecat1 Rabbit pAb

Catalog Number: bs-13596R

Target Protein: Ecat1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human

Predicted MW: 24 kDa

Entrez Gene: 154288

Swiss Prot: Q587J8

Source: KLH conjugated synthetic peptide derived from human Ecat1: 1-100/217.

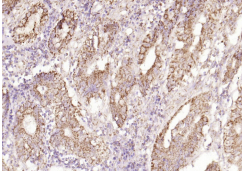
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

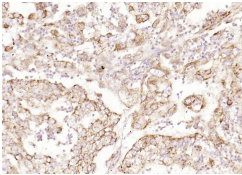
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: ECAT1 (ES cell-associated transcript 1 protein) is a 217 amino acid protein that belongs to the KHDC1 family. The ECAT1 protein contains an atypical KH domain with amino acid changes at critical sites, suggesting that it may not bind RNA. Expression of ECAT1 appears to be maximal in germinal vesicle oocytes, it tails off through metaphase II oocytes and is undetectable following the completion of the oocyte to embryo transition. Specifically expressed in the oocytes, recent studies suggest that ECAT1 may function as a regulator of genomic imprinting in the oocyte. Defects in ECAT1 are the cause of hydatidiform mole recurrent type 2 (HYDM2), a disorder characterized by excessive trophoblast development that produces a growing mass of tissue inside the uterus at the beginning of a pregnancy. HYDM2 leads to abnormal pregnancies with no embryo, and cystic degeneration of the chorionic villi.

VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (human colon 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 (Ecat1) Polyclonal Antibody, Unconjugated (bs-13596R) 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 (human endometrial 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 (Ecat1) Polyclonal Antibody, Unconjugated (bs-13596R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.