

FAM134B Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55070**Specification**

FAM134B Polyclonal Antibody - Product Information

Application	IHC-P, FC
Primary Accession	O9H6L5
Reactivity	Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54681

FAM134B Polyclonal Antibody - Additional Information**Gene ID** 54463**Other Names**

Reticulophagy regulator 1 {ECO:0000312|HGNC:HGNC:25964}, Reticulophagy receptor 1, RETREG1 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=25964)
target="_blank">HGNC:25964)

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

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

FAM134B Polyclonal Antibody - Protein Information**Name** RETREG1 ([HGNC:25964](#))**Function**

Endoplasmic reticulum (ER)-anchored autophagy regulator which mediates ER delivery into lysosomes through sequestration into autophagosomes (PubMed:26040720, PubMed:31930741, PubMed:34338405). Promotes membrane remodeling and ER scission via its membrane bending capacity and targets the fragments into autophagosomes via interaction with ATG8 family proteins (PubMed:26040720, PubMed:31930741, PubMed:34338405). Active under basal conditions (PubMed:34338405). Required for collagen quality control in a LIR motif-dependent manner (By similarity). Required for long-term survival of nociceptive and autonomic ganglion neurons (PubMed:19838196)

target="_blank">19838196, PubMed:26040720).

Cellular Location

Golgi apparatus, cis-Golgi network membrane {ECO:0000250|UniProtKB:Q8VE91}; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein

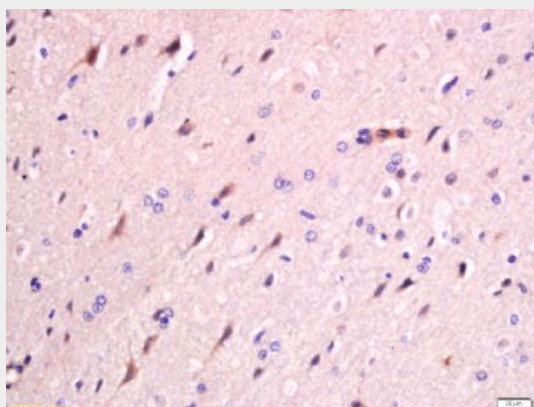
Tissue Location

Overexpressed in esophageal squamous cell carcinoma (PubMed:17487424).

FAM134B Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

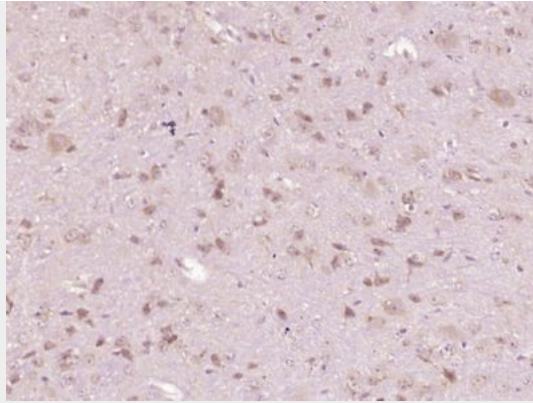
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FAM134B Polyclonal Antibody - Images

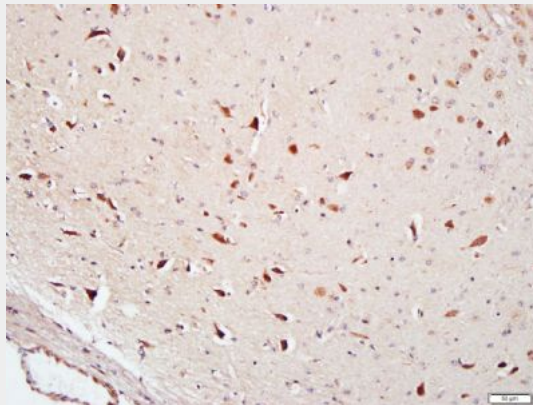
Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

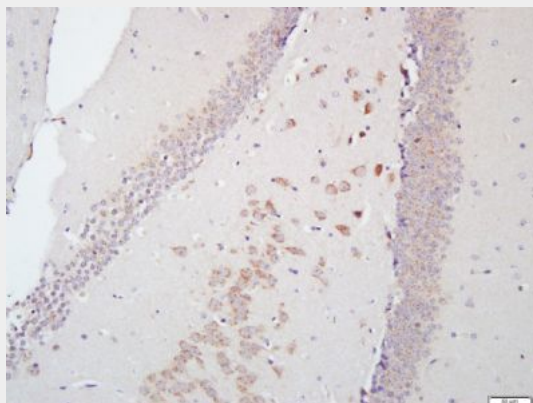
Incubation: Anti-FAM134B Polyclonal Antibody, Unconjugated(bs-13136R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



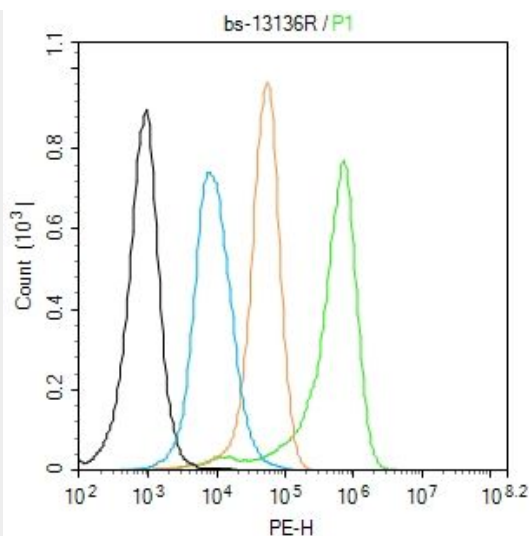
Paraformaldehyde-fixed, paraffin embedded (Mouse cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FAM134B) Polyclonal Antibody, Unconjugated (bs-13136R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse 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 (FAM134B) Polyclonal Antibody, Unconjugated (bs-13136R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse 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 (FAM134B) Polyclonal Antibody, Unconjugated (bs-13136R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



U-937 cells were fixed with 4% PFA for 10min at room temperature, permeabilized with 20% PBST for 20 min at room temperature, and incubated in 5% BSA blocking buffer for 30 min at room temperature. Cells were then stained with FAM134B Antibody(bs-13136R) at 1:500 dilution in blocking buffer and incubated for 30 min at room temperature, washed twice with 2% BSA in PBS, followed by secondary antibody incubation for 40 min at room temperature. Acquisitions of 20,000 events were performed. Cells stained with primary antibody (green), and isotype control (orange).