10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

FLVCR Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54831

Specification

FLVCR Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, ICC, E**
Primary Accession	Q9Y5Y0
Reactivity	**Rat, Pig**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**59863**

FLVCR Polyclonal Antibody - Additional Information

Gene ID 28982

Other Names
Feline leukemia virus subgroup C receptor-related protein 1, Feline leukemia virus subgroup C receptor, hFLVCR, FLVCR1, FLVCR

Dilution
WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

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

Storage
Store at -20 ℃ 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 ℃.

FLVCR Polyclonal Antibody - Protein Information

Name FLVCR1 {ECO:0000303|PubMed:16439531, ECO:0000312|HGNC:HGNC:24682}

Function
Uniporter that mediates the transport of extracellular choline and ethanolamine into cells, thereby playing a key role in phospholipid biosynthesis (PubMed:37100056, PubMed:38693265, PubMed:38778100, PubMed:39306721). Choline and ethanolamine are the precursors of phosphatidylcholine and phosphatidylethanolamine, respectively, the two most abundant phospholipids (PubMed:<a

href="http://www.uniprot.org/citations/38693265" target="_blank">38693265, PubMed:38778100). Transport is not coupled with proton transport and is exclusively driven by the choline (or ethanolamine) gradient across the plasma membrane (PubMed:38693265, PubMed:38778100). Also acts as a heme b transporter that mediates heme efflux from the cytoplasm to the extracellular compartment (PubMed:15369674, PubMed:20610401, PubMed:22483575, PubMed:23187127, PubMed:27923065).

Cellular Location
[Isoform 1]: Cell membrane; Multi-pass membrane protein

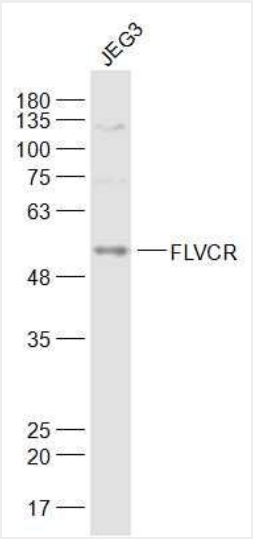
Tissue Location
Found all hematopoietic tissues including peripheral blood lymphocytes. Some expression is found in pancreas and kidney.

FLVCR 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 Cytomety
- Cell Culture

FLVCR Polyclonal Antibody - Images



Sample:

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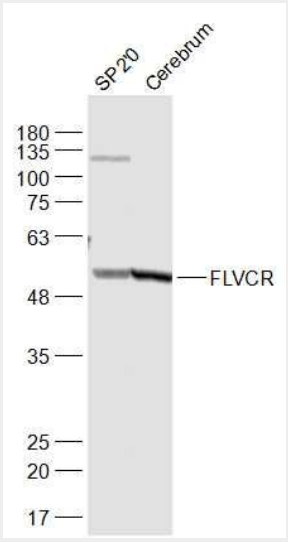
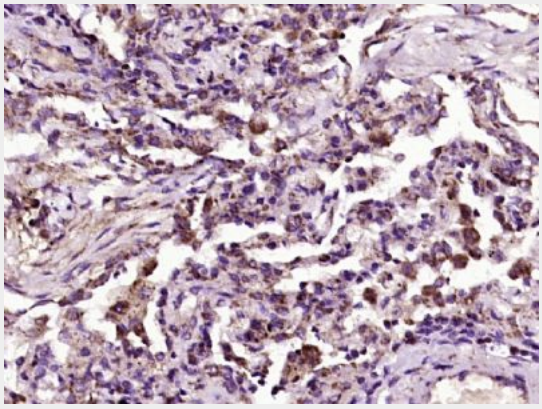
JEG3(Human) Cell Lysate at 30 ug
Primary: Anti-FLVCR (bs-12344R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 60 kD
Observed band size: 60 kD



Sample:
SP2/0(Mouse) Cell Lysate at 30 ug
Cerebrum (Mouse) Lysate at 40 ug
Primary: Anti-FLVCR (bs-12344R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 60 kD
Observed band size: 60 kD



Paraformaldehyde-fixed, paraffin embedded (human lung 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 (FLVCR) Polyclonal Antibody, Unconjugated (bs-12344R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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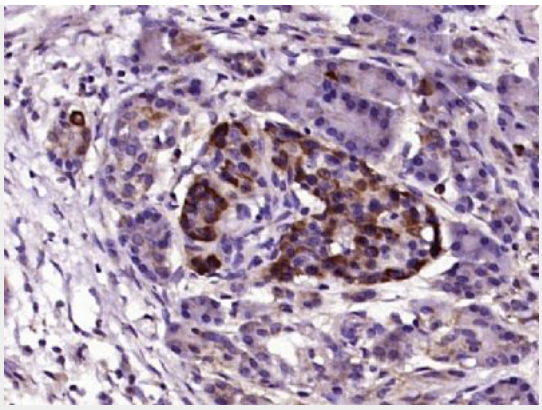

Paraformaldehyde-fixed, paraffin embedded (human Pancreatic cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FLVCR) Polyclonal Antibody, Unconjugated (bs-12344R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.