

FLVCR2 Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15330**Specification**

FLVCR2 Antibody - C-terminal region - Product Information

Application	WB
Primary Accession	O9UPI3
Other Accession	NM_017791 , NP_060261
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57kDa KDa

FLVCR2 Antibody - C-terminal region - Additional Information**Gene ID** 55640**Alias Symbol** C14orf58, CCT, FLJ20371, FLVCRL14q, EPV, PVHH, MFSD7C**Other Names**

Feline leukemia virus subgroup C receptor-related protein 2, Calcium-chelate transporter, CCT, FLVCR2, C14orf58

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-FLVCR2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

FLVCR2 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

FLVCR2 Antibody - C-terminal region - Protein Information**Name** FLVCR2**Synonyms** C14orf58**Function**

Putative heme b importer/sensor involved in heme homeostasis in response to the metabolic state of the cell and to diet. May act as a sensor of cytosolic and/or mitochondrial heme levels to regulate mitochondrial respiration processes, ATP synthesis and thermogenesis. At low heme

levels, interacts with components of electron transfer chain (ETC) complexes and ATP2A2, leading to ubiquitin-mediated degradation of ATP2A2 and inhibition of thermogenesis. Upon heme binding, dissociates from ETC complexes to allow switching from mitochondrial ATP synthesis to thermogenesis. Alternatively, in coordination with ATP2A2 may mediate calcium transport and signaling in response to heme.

Cellular Location

Mitochondrion membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein. Note=Primarily resides in mitochondria where it interacts with components of the electron transfer chain complexes III, IV and V. Colocalizes with ATP2A2 at the mitochondrial- ER contact junction.

Tissue Location

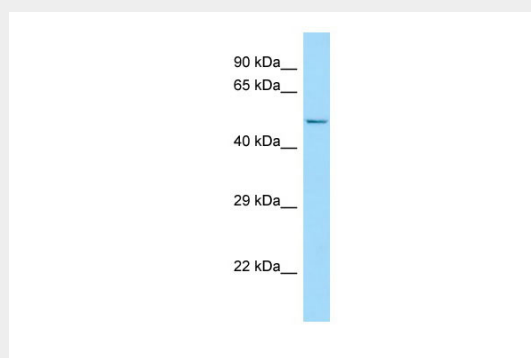
Expressed in non-hematopoietic tissues, with relative abundant expression in brain, placenta, lung, liver and kidney (PubMed:20823265). Also expressed in hematopoietic tissues (fetal liver, spleen, lymph node, thymus, leukocytes and bone marrow) (PubMed:20823265). Found in acidophil cells of the pituitary that secrete growth hormone and prolactin (at protein level) (PubMed:14729055).

FLVCR2 Antibody - C-terminal region - 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](#)

FLVCR2 Antibody - C-terminal region - Images



WB Suggested Anti-FLVCR2 Antibody Titration: 1.0 µg/ml
Positive Control: HT1080 Whole Cell

FLVCR2 Antibody - C-terminal region - References

Brasier G., et al. Exp. Cell Res. 293:31-42(2004).
Brown J., et al. Submitted (DEC-2001) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).
Heilig R., et al. Nature 421:601-607(2003).

Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.