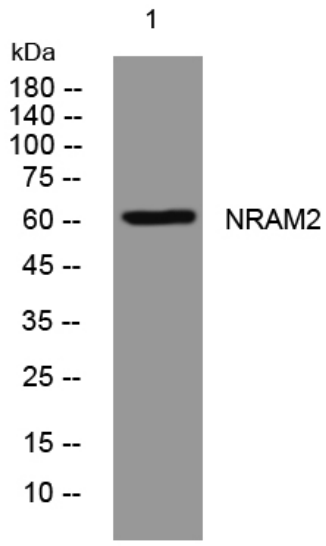
NRAM2 rabbit pAb

Catalog No	YP-Ab-08042
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	SLC11A2 DCT1 DMT1 NRAMP2 OK/SW-cl.20
Protein Name	NRAM2
Immunogen	Synthesized peptide derived from human NRAM2 AA range: 474-524
Specificity	This antibody detects endogenous levels of NRAM2 at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.156% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Natural resistance-associated macrophage protein 2 (NRAMP 2) (Divalent cation transporter 1) (Divalent metal transporter 1) (DMT-1)
Observed Band	60kD
Cell Pathway	[Isoform 2]: Cell membrane ; Multi-pass membrane protein . Early endosome .; Endosome membrane ; Multi-pass membrane protein . Mitochondrion outer membrane ; Multi-pass membrane protein. Cell membrane ; Multi-pass membrane protein . Also found in extracellular vesicles different from exosomes. .
Tissue Specificity	Ubiquitously expressed. Isoform 1 is highly expressed in brain. Isoform 2 is highly expressed in spleen, thymus and pancreas. Isoform 3 and isoform 4 are abundantly expressed in duodenum and kidney.
Function	disease:Defects in SLC11A2 are a cause of hypochromic microcytic anemia [MIM:206100]. The disease is characterized by an abnormal hemoglobin content in the erythrocytes which are reduced in size. It may be hereditary or acquired. Mutations in SLC11A2 are associated with progressive liver iron overload and normal to moderately elevated serum ferritin levels.,function:Macrophage-specific membrane transport. Important in metal transport, in particular iron.,similarity:Belongs to the NRAMP family.,tissue specificity:Expressed at low levels in all tissues analyzed.,
Background	This gene encodes a member of the solute carrier family 11 protein family. The product of this gene transports divalent metals and is involved in iron absorption. Mutations in this gene are associated with hypochromic microcytic anemia with

	iron overload. A related solute carrier family 11 protein gene is located on chromosome 2. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Apr 2010],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from A431 cells, primary antibody was diluted at 1:1000, 4°over night