

Product datasheet for **AP23167PU-N**

CD71 (TFRC) (169-377) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Immunohistochemistry on Paraffin Sections: 10 µg/ml. Western Blot: 1/500 - 1/3000.
Reactivity:	Canine, Feline, Human, Mouse, Porcine
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Recombinant protein fragment containing a sequence corresponding to a region within amino acids 169 and 377 of CD71. Amino acid sequence homology: Cat (86%), Dogs (81%), Pig (82%).
Specificity:	This antibody detects CD71 / TFRC at aa 169-377.
Formulation:	PBS, pH 7.0, 40% Glycerol State: Purified State: Liquid purified Ig fraction Preservative: 0.01% Thimerosal
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	transferrin receptor
Database Link:	Entrez Gene 22042 Mouse Entrez Gene 7037 Human P02786



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Background:

Cellular uptake of iron occurs via receptor-mediated endocytosis of ligand-occupied transferrin receptor into specialized endosomes. Endosomal acidification leads to iron release. The apotransferrin-receptor complex is then recycled to the cell surface with a return to neutral pH and the concomitant loss of affinity of apotransferrin for its receptor. Transferrin receptor is necessary for development of erythrocytes and the nervous system. By similarity.

Synonyms:

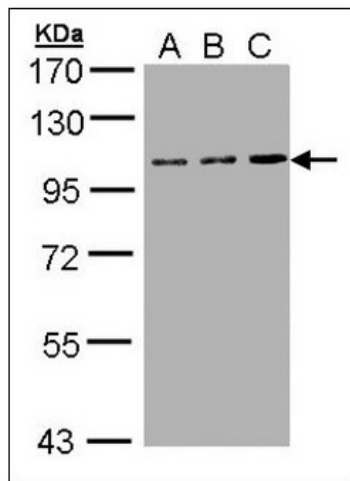
TfR1, p90, Transferrin receptor protein 1

Protein Families:

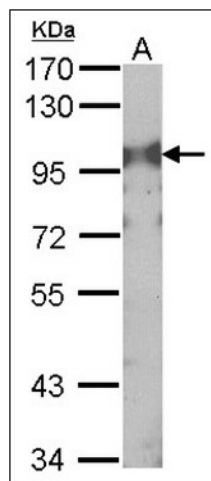
Druggable Genome, ES Cell Differentiation/IPS, Protease, Secreted Protein, Transmembrane

Protein Pathways:

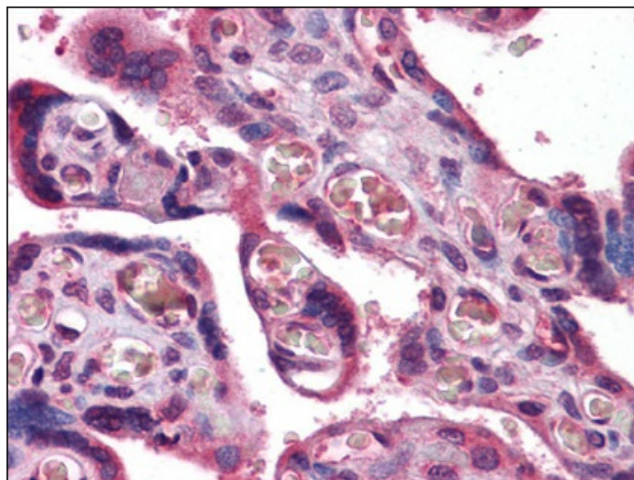
Endocytosis, Hematopoietic cell lineage

Product images:


Sample (30 ug of whole cell lysate). A: Hep G2. B: Molt-4. C: Raji. 7.5% SDS PAGE. TFRC antibody diluted at 1:1000.



Sample (30 ug of whole cell lysate). A: NIH-3T3. 7.5% SDS PAGE. CD71 antibody. TFRC antibody diluted at 1:1000.



Human Placenta: Formalin-Fixed, Paraffin-Embedded (FFPE)