

Recombinant Anti-PEX19 Rabbit mAb

Catalog # AP95352

Product Information

Application	WB, FC, IP, IF/IC
Primary Accession	P40855
Reactivity	Human, Rat
Host	Rabbit
Clonality	Monoclonal
Calculated MW	32807

Additional Information

Gene ID	5824
Other Names	HK33; PXF; Peroxisomal biogenesis factor 19; 33 kDa housekeeping protein; Peroxin-19; Peroxisomal farnesylated protein
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human PEX19 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) FC~~1:10~50 IP~~N/A IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

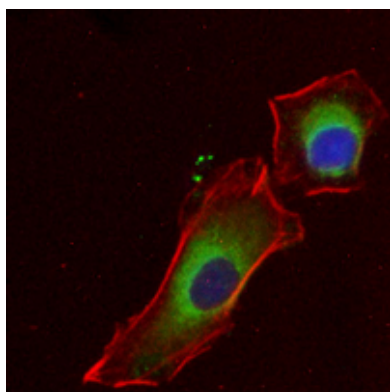
Protein Information

Name	PEX19 (HGNC:9713)
Synonyms	HK33, PXF
Function	Necessary for early peroxisomal biogenesis. Acts both as a cytosolic chaperone and as an import receptor for peroxisomal membrane proteins (PMPs). Binds and stabilizes newly synthesized PMPs in the cytoplasm by interacting with their hydrophobic membrane-spanning domains, and targets them to the peroxisome membrane by binding to the integral membrane protein PEX3. Excludes CDKN2A from the nucleus and prevents its interaction with MDM2, which results in active degradation of TP53.
Cellular Location	Cytoplasm. Peroxisome membrane; Lipid-anchor; Cytoplasmic side. Note=Mainly cytoplasmic. Some fraction membrane-associated to the outer surface of peroxisomes.
Tissue Location	Ubiquitously expressed. Isoform 1 is strongly predominant in all tissues except in utero where isoform 2 is the main form.

Images



Western blot analysis of PEX19 expression in Jurkat (A) whole cell lysates. (Predicted band size: 33 kD; Observed band size: 35, 40 kD)



Immunofluorescent analysis of PEX19 staining in Jurkat cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.