

C20orf31 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55805

Specification

C20orf31 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9BV94
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	62 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human C20orf31
Epitope Specificity	101-200/578
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted. Endoplasmic reticulum lumen.
SIMILARITY	Belongs to the glycosyl hydrolase 47 family.
Post-translational modifications	Glycosylated.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

In the endoplasmic reticulum (ER), misfolded proteins are retrotranslocated to the cytosol and degraded by the proteasome in a process known as ER-associated degradation (ERAD). EDEM2 belongs to a family of proteins involved in ERAD of glycoproteins (Mast et al., 2005 [PubMed 15537790]).[supplied by OMIM, Mar 2008]

C20orf31 Polyclonal Antibody - Additional Information

Gene ID 55741

Other Names

ER degradation-enhancing alpha-mannosidase-like protein 2, EDEM2, C20orf31, C20orf49

Target/Specificity

Expressed ubiquitously in all tissues tested with slightly higher levels detected in small intestine and peripheral blood leukocytes and weakest levels in brain and skeletal muscle.

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \><span class =

=<div>= "dilution_IHC-F">IHC-F~~N/A</div><div><br \><div class="dilution_IF">IF~~1:50~200</div><div><br \><div class="dilution_ICC">ICC~~N/A</div><div><br \><div class="dilution_E">E~~N/A</div>

Storage

Store at -20 °C 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 °C.

C20orf31 Polyclonal Antibody - Protein Information

Name EDEM2

Synonyms C20orf31, C20orf49

Function

Involved in the endoplasmic reticulum-associated degradation (ERAD) pathway that targets misfolded glycoproteins for degradation in an N-glycan-dependent manner (PubMed:15537790, PubMed:25092655). May initiate ERAD by promoting the first mannose trimming step of ERAD substrates, from Man9GlcNAc2 to Man8GlcNAc2 (PubMed:25092655). Seems to recognize and bind to exposed hydrophobic regions in target proteins (By similarity).

Cellular Location

Endoplasmic reticulum lumen

Tissue Location

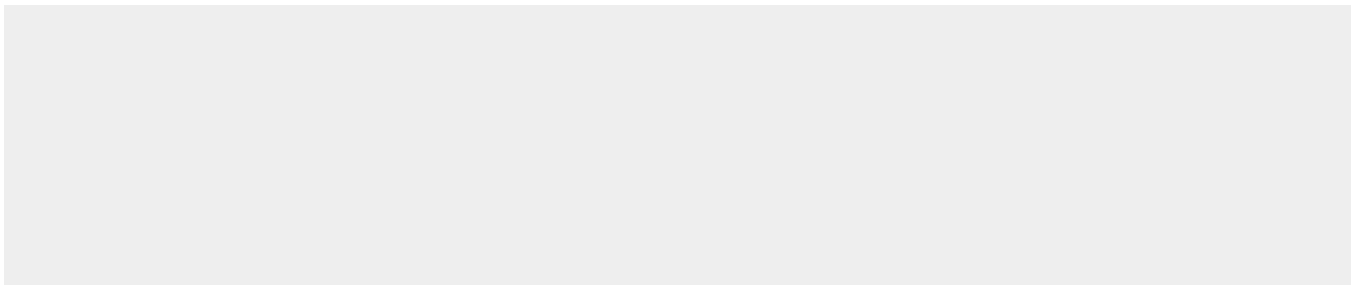
Expressed ubiquitously in all tissues tested with slightly higher levels detected in small intestine and peripheral blood leukocytes and weakest levels in brain and skeletal muscle

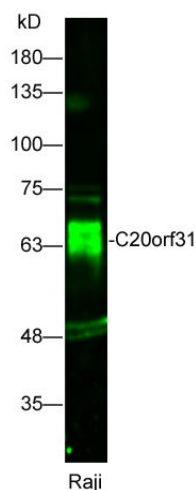
C20orf31 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

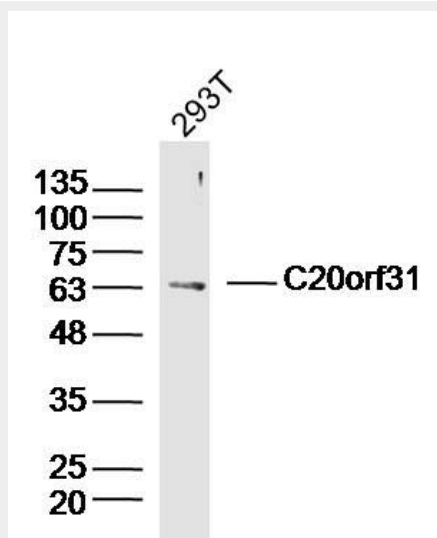
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

C20orf31 Polyclonal Antibody - Images

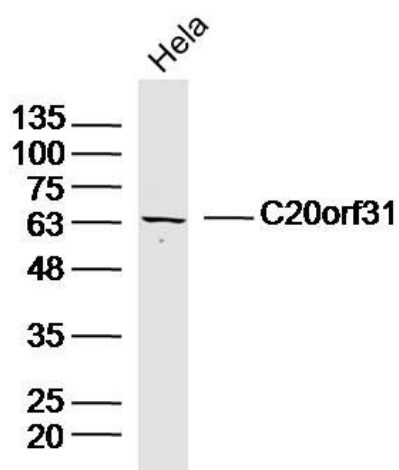




Sample: Raji Cells Lysate at 25 ug
Primary: Anti-C20orf31(bs-15110R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 62kD
Observed band size: 62kD



Sample: 293T Cell (Human) Lysate at 30 ug
Primary: Anti- C20orf31 (bs-15110R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 62kD
Observed band size: 62kD



Sample: HeLa Cell (Human) Lysate at 30 ug
Primary: Anti- C20orf31 (bs-15110R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 62kD
Observed band size: 62kD