

C16orf57 (aa154-167) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3678a**Specification****C16orf57 (aa154-167) Antibody (internal region) - Product Information**

Application	WB
Primary Accession	Q9BQ65
Other Accession	NP_078874.2 , NP_001182231.1 , 79650
Reactivity	Human, Mouse, Rat
Predicted	Pig
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	30268

C16orf57 (aa154-167) Antibody (internal region) - Additional Information**Gene ID** 79650**Other Names**U6 snRNA phosphodiesterase {ECO:0000255|HAMAP-Rule:MF_03040}, hUsb1, 3.1.4.-
{ECO:0000255|HAMAP-Rule:MF_03040}, USB1 {ECO:0000255|HAMAP-Rule:MF_03040}, C16orf57**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

C16orf57 (aa154-167) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

C16orf57 (aa154-167) Antibody (internal region) - Protein Information**Name** USB1 {ECO:0000255|HAMAP-Rule:MF_03040, ECO:0000312|HGNC:HGNC:25792}**Function**

3'-5' RNA exonuclease that trims the 3' end of oligo(U) and oligo(A) tracts of the pre-U6 small nuclear RNA (snRNA) molecule, leading to the formation of a mature U6 snRNA 3' end-terminated with a 2',3'-cyclic phosphate (PubMed:23022480, PubMed:22899009, PubMed:26213367, PubMed:31832688)

target="_blank">31832688, PubMed:23190533, PubMed:28887445, PubMed:30215753). Participates in the U6 snRNA 3' end processing that prevents U6 snRNA degradation (PubMed:23022480, PubMed:22899009, PubMed:26213367, PubMed:31832688, PubMed:23190533, PubMed:28887445, PubMed:30215753). In addition also removes uridines from the 3' end of U6atac snRNA and possibly the vault RNA VTRNA1-1 (PubMed:26213367).

Cellular Location

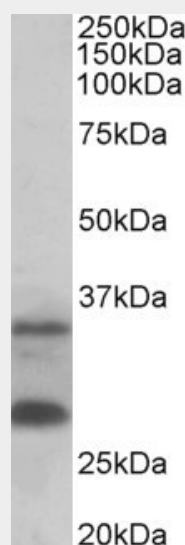
Nucleus {ECO:0000255|HAMAP-Rule:MF_03040, ECO:0000269|PubMed:22899009, ECO:0000269|PubMed:23022480}

C16orf57 (aa154-167) Antibody (internal region) - Protocols

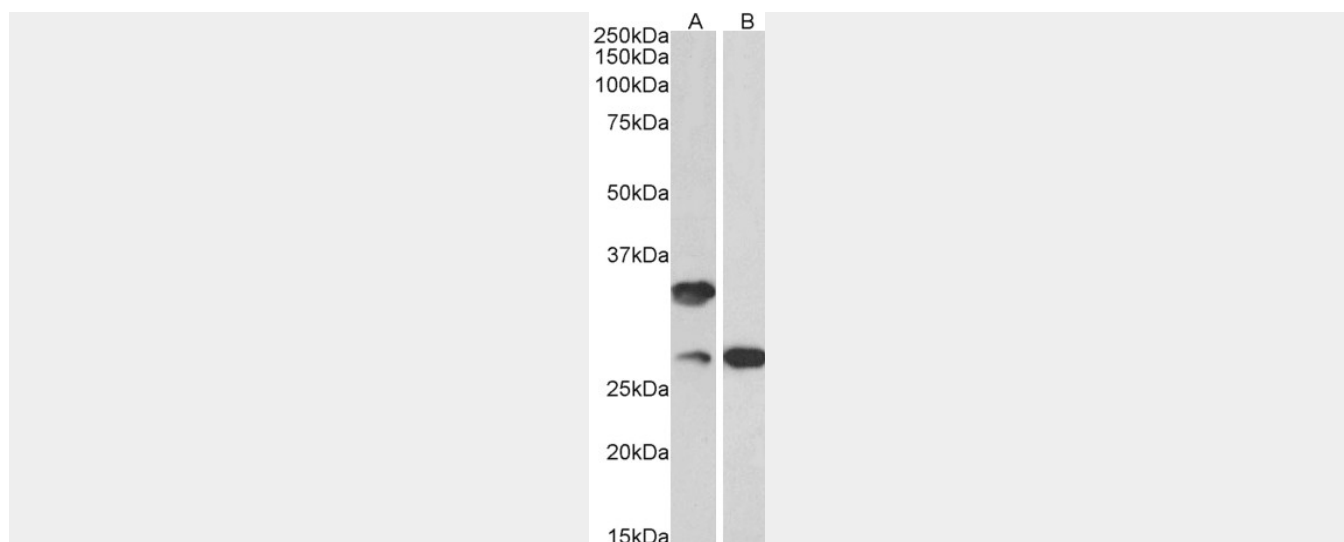
Provided below are standard protocols that you may find useful for product applications.

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

C16orf57 (aa154-167) Antibody (internal region) - Images



EB11248 (0.3µg/ml) staining of Human Skin lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB11248 (0.1µg/ml) staining of Mouse (A) and Rat (B) Skin lysates (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

C16orf57 (aa154-167) Antibody (internal region) - Background

This antibody is expected to recognize both reported isoforms (NP_078874.2; NP_001182231.1).

C16orf57 (aa154-167) Antibody (internal region) - References

Mutations in C16orf57 and normal-length telomeres unify a subset of patients with dyskeratosis congenita, poikiloderma with neutropenia and Rothmund-Thomson syndrome. Walne AJ, Vulliamy T, Beswick R, Kirwan M, Dokal I. Hum Mol Genet. 2010 Nov 15;19(22):4453-61. PMID: 20817924