10320 Camino Santa Fe, Suite G
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NACAD Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51798

Specification

NACAD Antibody - Product Information

Application	**WB**
Primary Accession	O15069
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**161 KDa**
Antigen Region	**351 - 410**

NACAD Antibody - Additional Information

Gene ID 23148

Other Names
NAC-alpha domain-containing protein 1, NACAD, KIAA0363

Target/Specificity
KLH conjugated synthetic peptide derived from human NACAD

Dilution
WB~~ 1:1000

Format
0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage
Store at -20 °C.Stable for 12 months from date of receipt

NACAD Antibody - Protein Information

Name NACAD

Synonyms KIAA0363

Function
May prevent inappropriate targeting of non-secretory polypeptides to the endoplasmic reticulum (ER). May bind to nascent polypeptide chains as they emerge from the ribosome and block their interaction with the signal recognition particle (SRP), which normally targets nascent secretory peptides to the ER. May also reduce the inherent affinity of ribosomes for protein translocation sites in the ER membrane (M sites) (By similarity).

Cellular Location
Cytoplasm. Nucleus.

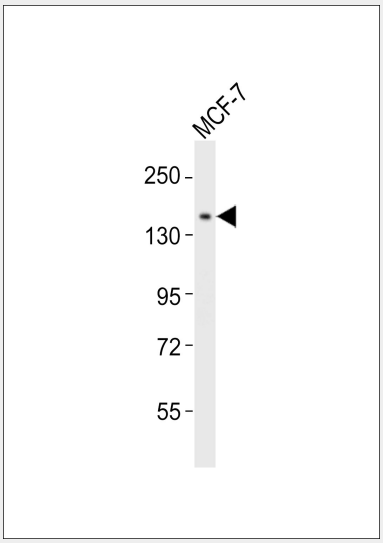
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NACAD Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NACAD Antibody - Images



Anti-NACAD Antibody at 1:1000 dilution + MCF-7 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 161 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

NACAD Antibody - Background

May prevent inappropriate targeting of non-secretory polypeptides to the endoplasmic reticulum (ER). May bind to nascent polypeptide chains as they emerge from the ribosome and block their interaction with the signal recognition particle (SRP), which normally targets nascent secretory peptides to the ER. May also reduce the inherent affinity of ribosomes for protein translocation sites in the ER membrane (M sites) (By similarity).

NACAD Antibody - References

Hillier L.W.,et al.Nature 424:157-164(2003).
Nagase T.,et al.DNA Res. 4:141-150(1997).
Rigbolt K.T.,et al.Sci. Signal. 4:RS3-RS3(2011).