10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

WDYHV1 Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2809c

Specification

WDYHV1 Antibody (Center) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q96HA8
Other Accession	Q3T0D3
Reactivity	**Human, Mouse**
Predicted	**Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**23680**
Antigen Region	**106-136**

WDYHV1 Antibody (Center) - Additional Information

Gene ID 55093

Other Names
Protein N-terminal glutamine amidohydrolase, 351-, Protein NH2-terminal glutamine deamidase, N-terminal Gln amidase, Nt(Q)-amidase, WDYHV motif-containing protein 1, WDYHV1, C8orf32, NTAQ1

Target/Specificity
This WDYHV1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 106-136 amino acids from the Central region of human WDYHV1.

Dilution
WB~~1:1000
IHC-P~~1:50~100

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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

Precautions
WDYHV1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

WDYHV1 Antibody (Center) - Protein Information

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Name NTAQ1 (HGNC:25490)

Synonyms C8orf32, WDYHV1

Function Mediates the side-chain deamidation of N-terminal glutamine residues to glutamate, an important step in N-end rule pathway of protein degradation. Conversion of the resulting N-terminal glutamine to glutamate renders the protein susceptible to arginylation, polyubiquitination and degradation as specified by the N-end rule. Does not act on substrates with internal or C-terminal glutamine and does not act on non-glutamine residues in any position. Does not deaminate acetylated N-terminal glutamine. With the exception of proline, all tested second-position residues on substrate peptides do not greatly influence the activity. In contrast, a proline at position 2, virtually abolishes deamidation of N-terminal glutamine.

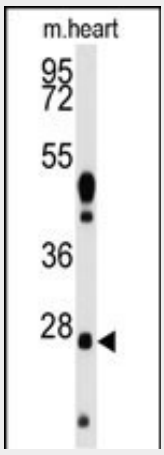
Cellular Location
Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q80WB5}. Nucleus {ECO:0000250|UniProtKB:Q80WB5}

WDYHV1 Antibody (Center) - Protocols

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

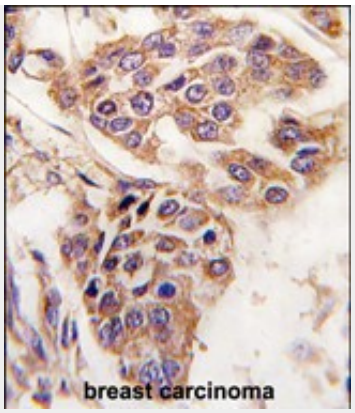
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

WDYHV1 Antibody (Center) - Images



Western blot analysis of anti-WDYHV1 Antibody (Center) Pab (Cat.#AP2809c) in mouse heart tissue lysates (35ug/lane). WDYHV1(arrow) was detected using the purified Pab.

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Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with C8orf32 antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

WDYHV1 Antibody (Center) - References

Lim,J., Cell 125 (4), 801-814 (2006)