

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

WDYHV1 Antibody (Center) - Product Information

Application	WB, IHC-P,E
Primary Accession	O96HA8
Other Accession	O3T0D3
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

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

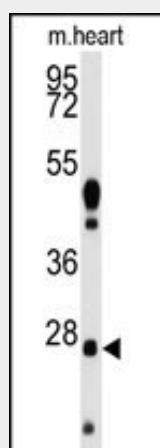
Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q80WB5}. Nucleus {ECO:0000250|UniProtKB:Q80WB5}

WDYHV1 Antibody (Center) - Protocols

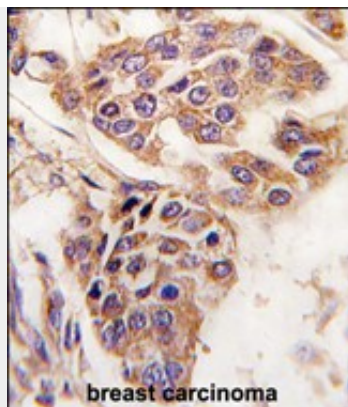
Provided below are standard protocols that you may find useful for product applications.

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



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)