

Ubr4 (E-14): sc-162376

BACKGROUND

Ubr4 (ubiquitin protein ligase E3 component n-recogin 4), also known as p600, ZUBR1 or RBAF600 is a 5,183 amino acid multi-pass membrane protein that is concentrated at the edge of membrane structures that participate in Actin motility. Involved in protein degradation events, Ubr4 functions as an E3 ubiquitin-protein ligase that recognizes and binds proteins that contain specific N-terminal residues, thereby tagging the target proteins for ubiquitination and subsequent degradation. Additionally, Ubr4 interacts with Clathrin and forms meshwork structures that are used during cytoskeletal organization and morphogenesis. Ubr4 contains one Ubr-type zinc finger and is also thought to play a role in integrin-mediated signaling pathways. Six isoforms of Ubr4 exist due to alternative splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: UBR4 (human) mapping to 1p36.13; Ubr4 (mouse) mapping to 4 D3.

SOURCE

Ubr4 (E-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of Ubr4 of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-162376 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Ubr4 (E-14) is recommended for detection of Ubr4 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with other Ubr family members.

Ubr4 (E-14) is also recommended for detection of Ubr4 in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for Ubr4 siRNA (h): sc-78618, Ubr4 siRNA (m): sc-154875, Ubr4 shRNA Plasmid (h): sc-78618-SH, Ubr4 shRNA Plasmid (m): sc-154875-SH, Ubr4 shRNA (h) Lentiviral Particles: sc-78618-V and Ubr4 shRNA (m) Lentiviral Particles: sc-154875-V.

Molecular Weight of Ubr4: 600 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.



Try **Ubr4 (21-Y): sc-100615**, our highly recommended monoclonal alternative to Ubr4 (E-14).