**BACKGROUND**

STAMBPL1 (STAM-binding protein-like 1), also known as AMSH-FP, AMSH-LP (associated molecule with the SH3 domain of STAM like protein) or ALMα, is a 436 amino acid protein that belongs to the peptidase M67C family, contains one MPN domain and a JAMM motif that is essential for protease activity. Existing as two alternatively spliced isoforms, STAMBPL1 is a ubiquitously expressed protein that binds two zinc ions per subunit and acts as a zinc metalloprotease that specifically cleaves Lys-63-linked polyubiquitin chains. The gene that encodes STAMBPL1 maps to human chromosome 10q23.31. Chromosome 10 contains over 80 0 genes and 135 million nucleotides, making up nearly 4.5% of the human genome.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: STAMBPL1 (human) mapping to 10q23.31; Stambpl1 (mouse) mapping to 19 C1.

**SOURCE**

STAMBPL1 (H-110) is a rabbit polyclonal antibody raised against amino acids 171-280 mapping within an internal region of STAMBPL1 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.

**APPLICATIONS**

STAMBPL1 (H-110) is recommended for detection of STAMBPL1 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], 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).

STAMBPL1 (H-110) is also recommended for detection of STAMBPL1 in additional species, including equine and porcine.

**RECOMMENDED SECONDARY REAGENTS**

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

**DATA**

**STORAGE**

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