

Anti-HIP2/LIG/UBE2K Antibody Picoband®

Catalog Number: A05895-2

About UBE2K

The protein encoded by this gene belongs to the ubiquitin-conjugating enzyme family. This protein interacts with RING finger proteins, and it can ubiquitinate huntingtin, the gene product for Huntington's disease. Known functions for this protein include a role in aggregate formation of expanded polyglutamine proteins and the suppression of apoptosis in polyglutamine diseases, a role in the dislocation of newly synthesized MHC class I heavy chains from the endoplasmic reticulum, and involvement in foam cell formation. Multiple transcript variants encoding different isoforms have been identified for this gene.

Overview

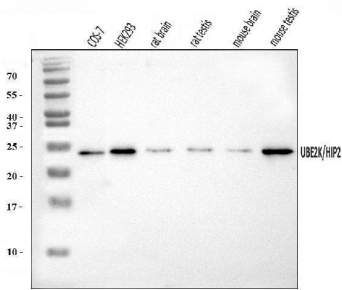
Product Name	Anti-HIP2/LIG/UBE2K Antibody Picoband®
Reactive Species	Human, Monkey, Mouse, Rat
Description	Boster Bio Anti-HIP2/LIG/UBE2K Antibody Picoband® catalog # A05895-2. Tested in ELISA, Flow Cytometry, IP, WB applications. This antibody reacts with Human, Mouse, Rat, Monkey. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	ELISA, Flow Cytometry, IP, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage Instructions	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P61086

Technical Details

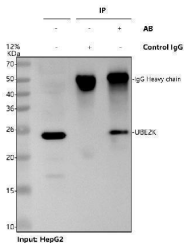
Immunogen	E.coli-derived human HIP2/LIG/UBE2K recombinant protein (Position: D33-E195).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.25 ug/ml, Human, Mouse, Rat, Monkey Immunoprecipitation, 0.5-2 ug/ml, Human Flow Cytometry (Fixed), 1-3 ug/1x10 ⁶ cells, Rat ELISA, 0.1-0.5 ug/ml, -

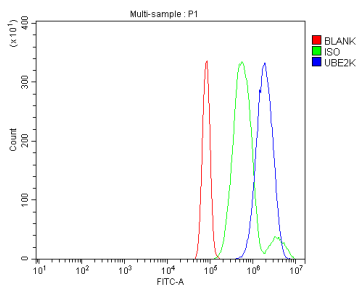
Anti-HIP2/LIG/UBE2K Antibody Picoband® (A05895-2) Images



Western blot analysis of HIP2/LIG/UBE2K using anti-HIP2/LIG/UBE2K antibody (A05895-2). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: monkey COS-7 whole cell lysates, Lane 2: human HEK293 whole cell lysates, Lane 3: rat brain tissue lysates, Lane 4: rat testis tissue lysates, Lane 5: mouse brain tissue lysates, Lane 6: mouse testis tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-HIP2/LIG/UBE2K antigen affinity purified polyclonal antibody (Catalog # A05895-2) at 0.25 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for HIP2/LIG/UBE2K at approximately 22 kDa. The expected band size for HIP2/LIG/UBE2K is at 22 kDa.



Immunoprecipitating (IP) HIP2/LIG/UBE2K in HepG2 whole cell lysate. Western blot analysis of HIP2/LIG/UBE2K using anti-HIP2/LIG/UBE2K antibody (A05895-2); Lane 1: HepG2 whole cell lysates (30ug); Lane 2: Rabbit control IgG instead of anti-HIP2/LIG/UBE2K antibody in HepG2 whole cell lysate; Lane 3: anti-HIP2/LIG/UBE2K antibody (2ug) + HepG2 whole cell lysate (500ug). After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-HIP2/LIG/UBE2K antigen affinity purified polyclonal antibody (A05895-2) at a dilution of 0.5 ug/mL and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1196-200). A specific band was detected for HIP2/LIG/UBE2K at approximately 22 kDa. The expected band size for HIP2/LIG/UBE2K is at 22 kDa.



Flow Cytometry analysis of RH35 cells using anti-HIP2/LIG/UBE2K antibody (A05895-2). Overlay histogram showing RH35 cells stained with A05895-2 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-HIP2/LIG/UBE2K Antibody (A05895-2, 1 ug/1x10⁶ cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10 ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions.

Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

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Anti-HIP2/LIG/UBE2K Antibody

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