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Research Use Only. Not for diagnostic or therapeutic use.

EB11838 - Goat Anti-betaCstF-64 variant 1/betaCstF-64 variant 3 (mouse) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: 64kDa, alphaCstF-64 variant 4, betaCstF-64 variant 1, betaCstF-64 variant 3, C630034J23Rik, CF-1 64 kDa subunit, cleavage stimulation factor 64 kDa subunit, cleavage stimulation factor subunit 2, cleavage stimulation factor, 3' pre-RNA subunit 2, cleavage stimulation factor, 3' pre-RNA subunit 2, 64 kDa, CSTF 64 kDa subunit, Cstf2, Cstf64, cstF-64

Official Symbol: Cstf2

Accession Number(s): ACF05702.1; ACF05700.1

Non-Human GenelD(s): 108062 (mouse)

Important Comments: This antibody recognizes mouse variants 1 and 3 of the reported

beta isoform (ACF05702.1; ACF05700.1).

Immunogen

Peptide with sequence C-PASIERVQGQRT, from the internal region of the protein sequence according to ACF05702.1; ACF05700.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:128000.

Western blot: Immunoprecipitation: In transfected HeLa transiently expressing Mouse ßCstf-64 ((DYKDDDDK tagged), a band of approx. 80kDa was observed using anti-DYKDDDDK antibody in Western blot after immunoprecipitation with EB11838. No bands were observed in mock-transfected HeLa. Yields were similar between RIPA buffer and Triton X-100 buffer conditions. Recommended amount, 2ug per lysate.

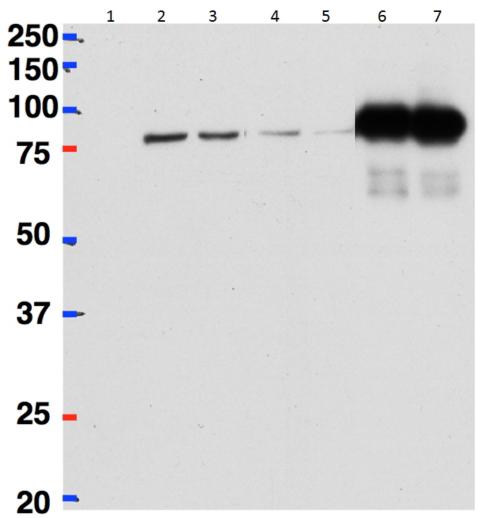
Immunoprecipitation: An approx 75kDa band is observed when endogenously expressed &Cstf-64 is pulled down from Mouse Brain lysates using EB11838, while Cstf-64 which is endogenously expressed in Mouse Liver, is not pulled down. Western blot was probed with a mouse monoclonal antibody recognizing both &Cstf-64 anf Cstf-64 Recommended amount 2ug EB11838/500ug lysate protein.

IHC: Paraffin embedded Human Tonsil. Recommended concentration: 5µg/ml.

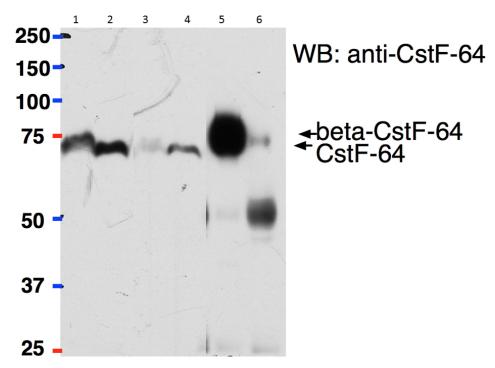
Species Reactivity

Tested: Human, Mouse

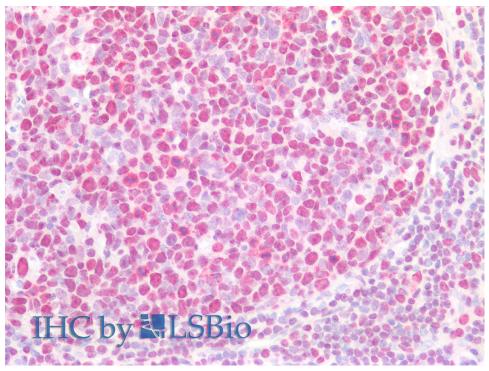
Expected from sequence similarity: Mouse



HeLa lysate either in RIPA buffer (lanes 1, 2, 4, 6) or TX100 buffer (lanes 3, 5, 7) overexpressing Mouse ßCstf-64 (DYKDDDDK tagged) immunoprecipitated using EB11838 (2ug) with Protein G-coated magnetic beads in lanes 6 and 7 and probed with anti-DYKDDDDK (1/1000). Mock-transfected HeLa in Lane 1. A 1/40th part of the lysate was loaded in lanes 2 and 3 before IP and in lanes 4 an 5 after IP. Primary incubations were for 1 hour. Detected by chemiluminescence. Data obtained from Dr P Grozdanov, Texas Tech University Health Sciences Center, USA.



EB11838 (2ug) used to pull down ßCstf-64 from Mouse Brain (lane 5) lysate (500ug protein) while it cannot pull down Cstf-64 from Mouse Liver (lane 6) lysate (500ug) protein) using Protein G-coated magnetic beads. A 1/40th part of the lysates were loaded in lanes 1 (Brain) and 2 (Liver) before IP and in lanes 3 (Brain) and 4 (Liver) after IP. Western blot probed with mouse anti-ßCstf-64/Cstf-64 antibody and detected by chemiluminescence. Data obtained from Dr P Grozdanov, Texas Tech University Health Sciences Center, USA.



EB11838 (5μg/ml) staining of paraffin embedded Human Tonsil. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.