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Research Use Only. Not for diagnostic or therapeutic use.

EB07704 - Goat Anti-SMN1 / SMN2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: SMN1, survival of motor neuron 1, telomeric, BCD541, SMA1, SMA2, SMA3, SMA4, SMN, SMNT, T-BCD541, gemin 1, SMN2, survival of motor neuron 2,

centromeric, BCD541, C-BCD541, SMNC

Official Symbol: SMN1 / SMN2

Accession Number(s): NP_075012.1; NP_000335.1; NP_075013.1; NP_075014.1;

NP_075015.1; NP_059107.1 **Human GenelD(s):** 6606, 6607

Important Comments: This antibody is expected to recognise isoforms b and d of SMN1 (NP_075012.1 and NP_000335.1) and all reported isoforms of SMN2 (NP_075013.1,

NP_075014.1, NP_075015.1 and NP_059107.1).

Immunogen

Peptide with sequence C-DESENSRSPGNKSDN, from the internal region of the protein sequence according to NP_075012.1; NP_000335.1; NP_075013.1; NP_075014.1; NP_075015.1; NP_059107.1.

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 1:32000.

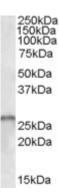
Western blot: Approx 26kDa band observed in Human Brain (Cerebellum) lysates (calculated MW of 28.5kDa according to NP_075012.1 and NP_075014.1).

Recommended concentration: 0.3-1µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human



EB07704 ($1\mu g/ml$) staining of Human Cerebellum lysate ($35\mu g$ protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.