



Goat anti-SMN1 / SMN2 Antibody

Item Number	dAP-1036
Target Molecule	Principle Name: SMN1 / SMN2; Official Symbol: SMN1 / SMN2; All Names and Symbols: 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;; Accession Number (s): NP_075012.1; NP_000335.1; NP_075013.1; NP_075014.1; NP_075015.1; NP_059107.1; Human Gene ID (s): 6606; 6607; Non-Human GeneID(s):
Immunogen	DESENSRSPGNKSDN, is from internal region 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).
Applications	Pep ELISA, WB Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 32000.
Western Blot	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.
IHC	
Reference	Reference(s): Setola V, Terao M, Locatelli D, Bassanini S, Garattini E, Battaglia G. Axonal-SMN (a-SMN), a protein isoform of the survival motor neuron gene, is specifically involved in axonogenesis. Proc Natl Acad Sci U S A. 2007 Feb 6;104(6):1959-64. Epub 2007 Jan 29. .PMID: 17261814 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**