

## Goat anti-TDP-43 Antibody

<b>Item Number</b>	dAP-1656
<b>Target Molecule</b>	Principle Name: TDP-43; Official Symbol: TARDBP; All Names and Symbols: TARDBP; TAR DNA binding protein; ALS10; TDP-43; OTTHUMP00000002171; TAR DNA-binding protein-43; Accession Number (s): NP_031401.1; Human Gene ID(s): 23435; Non-Human GeneID(s): 230908 (mouse)
<b>Immunogen</b>	HISNAEPKHNSNRQ, is from internal region
<b>Applications</b>	Pep ELISA, WB Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 16000.
<b>Western Blot</b>	Western Blot: Approx. 45kDa band observed in lysates of cell lines Jurkat (calculated MW of 44.7kDa according to NP_031401.1). A slightly larger protein is detected in some regions of the Brain. Recommended concentration: 0.3-1µg/ml.
<b>IHC</b>	

<b>Reference</b>	Reference(s): Zhang YJ, Xu YF, Dickey CA, Buratti E, Baralle F, Bailey R, Pickering-Brown S, Dickson D, Petrucelli L. Progranulin mediates caspase-dependent cleavage of TAR DNA binding protein-43. J. Neurosci. 2007 Sep 27 (39): 10530-4..PMID: 17898224->
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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**