Goat anti-FOXP2 (internal) Antibody

Item Number	dAP-0971

Target Molecule

Principle Name: FOXP2 (internal); Official Symbol: FOXP2; All Names and Symbols: FOXP2; forkhead box P2 ; CAGH44; DKFZp686H1726; SPCH1; TNRC10 ; CAG repeat protein 44; forkhead/winged-helix transcription factor; speech and language disorder 1; trinucleotide repeat containing 10; Accession Number (s): NP_055306.1; NP_683696.2; NP_683697.2; NP_683698.2; NP_001166237.1; Human Gene ID(s): 93986; Non-Human GeneID(s): 114142 (mouse)

Immunogen

DEVEYQKRRSQKIT, is from internal region
This antibody is expected to recognize isoform I (NP_055306.1), isoform II (NP_683696.2), isoform IV (NP_683698.2) and isoform V (NP_001166237.1).

Applications

Pep ELISA, WB, IHC

Species Tested: Human, Rat

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; Reconsititute 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 64000.

Western Blot

Western Blot: Approx 85kDa band observed in Human Brain (Cerebellum and Frontal Cortex) lysates and in Rat Brain lysates (calculated MW of 82.6kDa according to NP_683696.1). Recommended concentration: 0.3-1µg/ml.
An additional band of unknown identity w

IHC

Immunohistochemistry: In paraffin embedded Human Prostate shows nuclear staining in the secretory cells. Recommended concentration, 2-4µg/ml.

Reference

Reference(s): Lai CS, Fisher SE, Hurst JA, Vargha-Khadem F, Monaco AP. A forkhead-domain gene is mutated in a severe speech and language disorder. Nature 2001 Oct 4;413(6855):519-23.PMID: 11586359 ->

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