



Goat anti-ZIC3 (aa178-189) Antibody

Item Number	dAP-2590
Target Molecule	Principle Name: ZIC3 (aa178-189); Official Symbol: ZIC3; All Names and Symbols: ZIC3; Zic family member 3 (odd-paired homolog, Drosophila); HTX; HTX1; ZNF203; heterotaxy 1; zinc finger protein ZIC 3; zinc finger protein of the cerebellum 3; Accession Number (s): NP_003404.1; Human Gene ID(s): 7547; Non-Human GeneID(s): 22773 (mouse) 367944 (rat)
Immunogen	HVDNNQVHLGLR, is from internal region This antibody is expected to NOT cross-react with other ZIC proteins.
Applications	Pep ELISA, IHC 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 64000.
Western Blot	Western Blot: Preliminary experiments gave an approx 70kDa band in Human, Mouse and Rat Brain lysates after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated
IHC	Immunohistochemistry: In paraffin embedded Human Prostate shows nuclear staining in select secretory cells. Recommended concentration, 5-10µg/ml.
Reference	Reference(s): Hatayama M, Tomizawa T, Sakai-Kato K, Bouvagnet P, Kose S, Imamoto N, Yokoyama S, Utsunomiya-Tate N, Mikoshiba K, Kigawa T, Aruga J, Functional and structural basis of the nuclear localization signal in the ZIC3 zinc finger domain. Human molecular genetics 2008 Nov 17 (22): 3459-73..PMID:

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**