



Goat anti-ITCH / AIF4 Antibody

Item Number	dAP-1182
Target Molecule	Principle Name: ITCH / AIF4; Official Symbol: ITCH; All Names and Symbols: ITCH; AIF4; itchy homolog E3 ubiquitin protein ligase (mouse) ; AIP4; NAPP1; dJ468O1.1 ; NFE2-associated polypeptide 1; atrophia-1 interacting protein 4; dJ468O1.1 (atrophia 1 interacting protein 4, AIP4); itchy homolog E3 ubiquitin protein ligase; ubiqui; Accession Number (s): NP_113671.3; Human Gene ID(s): 83737; Non-Human GeneID(s): 16396 (mouse) 311567 (rat)
Immunogen	EIKSHDLKPNGGN, is from internal region
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 16000.
Western Blot	Western Blot: Approx 90kDa band observed in Human Brain (Frontal Cortex) lysates (calculated MW of 98.7kDa according to NP_113671.3). Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour.
IHC	
Reference	Reference(s): Di Marcotullio L, Ferretti E, Greco A, De Smaele E, Po A, Sico MA, Alimandi M, Giannini G, Maroder M, Screpanti I, Gulino A. Numb is a suppressor of Hedgehog signalling and targets Gli1 for Itch-dependent ubiquitination. Nat Cell Biol. 2006 Dec;8(12):1415-23. Epub 2006 Nov 19. .PMID: 17115028 ->

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**