

FBXO44 Recombinant antibody

Catalog Number: 82857-2-RR

Basic Information

Catalog Number: 82857-2-RR	GenBank Accession Number: BC007832	Purification Method: Protein A purification
Size: 1000 ug/ml	GeneID (NCBI): 93611	CloneNo.: 230229G7
Source: Rabbit	UNIPROT ID: Q9H4M3	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:200-1:800 IF/ICC 1:50-1:500
Isotype: IgG	Full Name: F-box protein 44	
Immunogen Catalog Number: AG0977	Calculated MW: 26 kDa Observed MW: 30 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, FC (Intra), ELISA	Positive Controls:
Species Specificity: human, mouse	WB : K-562 cells, HepG2 cells, A549 cells, HeLa cells, HEK-293 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse brain tissue,
	IF/ICC : A431 cells, U2OS cells

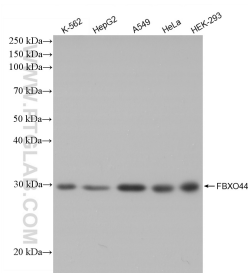
Background Information

FBXO44 is a member of the F-box protein family that shares a function as substrate recognition factors for the SKP1-CUL1-F-box (SCF)-type ubiquitin ligase. Several human FBXs (FBXO2, FBXO6, FBXO17, FBXO27, and FBXO44) share a conserved G domain (also known as FBA domain), which is responsible for recognizing N-glycan moieties by most FBXs in this group except FBXO44. (PMID: 25970626, PMID: 23086937)

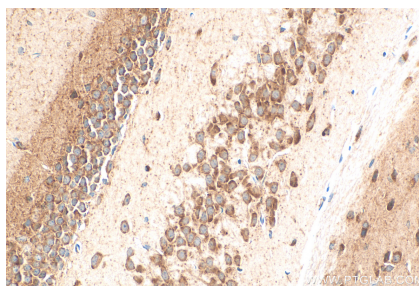
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

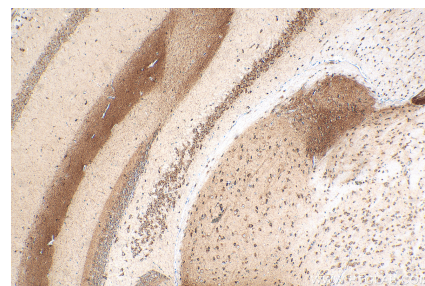
Selected Validation Data



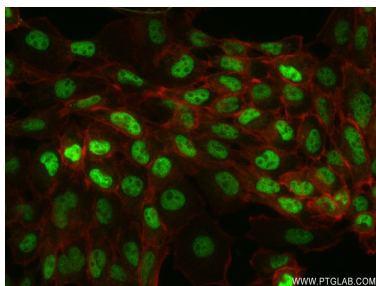
Various lysates were subjected to SDS PAGE followed by western blot with 82857-2-RR (FBXO44 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



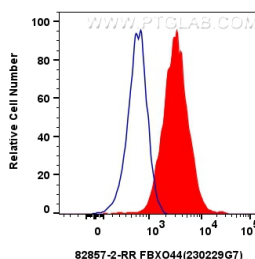
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 82857-2-RR (FBXO44 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



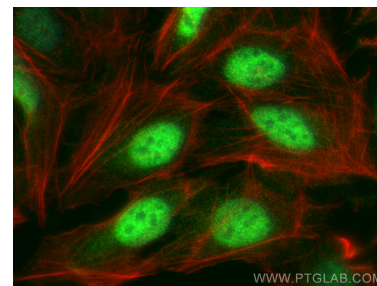
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 82857-2-RR (FBXO44 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



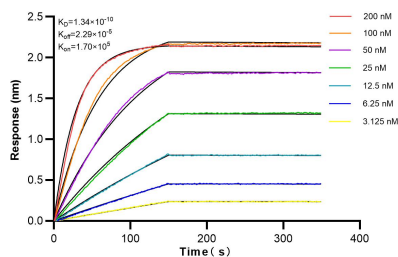
Immunofluorescent analysis of (4% PFA) fixed A431 cells using FBXO44 antibody (82857-2-RR, Clone: 230229G7) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1x10⁶ A431 cells were intracellularly stained with 0.25 ug FBXO44 Recombinant antibody (82857-2-RR, Clone:230229G7) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using FBXO44 antibody (82857-2-RR, Clone: 230229G7) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red).



Bioluminescence resonance energy transfer (BLI) kinetic assays of 82857-2-RR against Human FBXO44 were performed. The affinity constant is 0.134 nM.