

Rabbit DPP6 Polyclonal Antibody | anti-DPP6 antibody

DPP6 - Catalytic domain Antibody

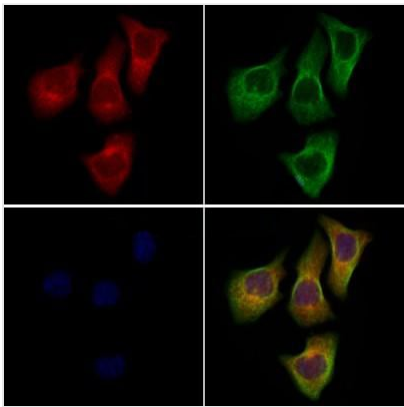
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329087	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Rabbit(100%), Dog(100%)	ELISA

PRODUCT SYNONYMS

DPP6; Polyclonal Antibody; DPP6 - Catalytic domain Antibody; Dipeptidyl aminopeptidase IV related protein; Dipeptidyl aminopeptidase like protein 6; Dipeptidyl aminopeptidase related protein; Dipeptidyl peptidase 6; Dipeptidyl peptidase IV like protein; Dipeptidyl peptidase IV related protein; Dipeptidylpeptidase 6; Dipeptidylpeptidase VI; DPP VI; DPPX; VF2; anti-DPP6 antibody

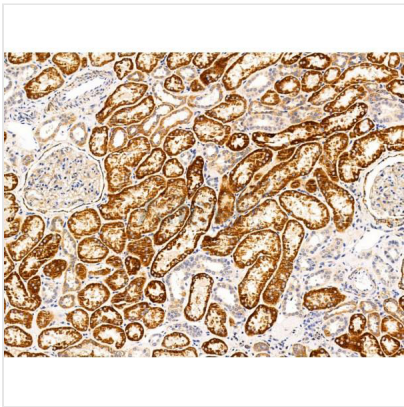
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Rabbit(100%), Dog(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	DPP6 - Catalytic domain Antibody detects endogenous levels of total DPP6 - Catalytic domain.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	865
Applicable Applications for anti-DPP6 antibody	ELISA
Immunogen	A synthesized peptide derived from human DPP6 - Catalytic domain, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



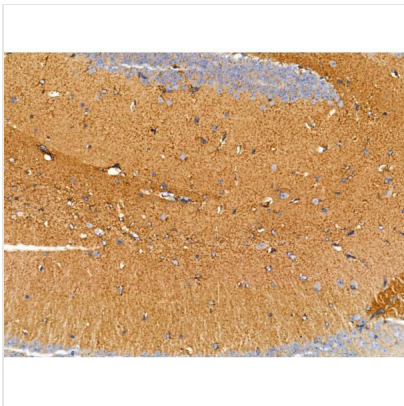
IF (Immunofluorescence)

AAA329087 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA329087 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



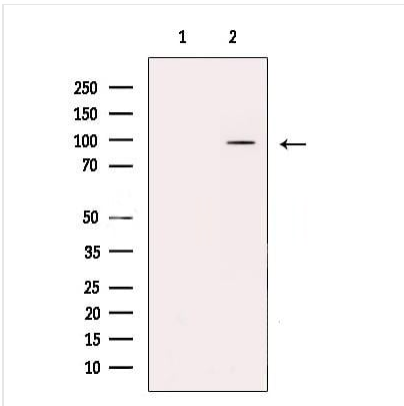
IHC (Immunohistochemistry)

AAA329087 at 1/100 staining Human kidney cancer and adjacent normal tissues by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

AAA329087 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Mouse Brain, using DPP6 - Catalytic domain Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-DPP6 antibody

Function: Promotes cell surface expression of the potassium channel KCND2 (PubMed:15454437, PubMed:19441798). Modulates the activity and gating characteristics of the potassium channel KCND2 (PubMed:18364354). Has no dipeptidyl aminopeptidase activity (PubMed:8103397, PubMed:15476821).

Post Translational Modifications: N-glycosylated.

Subcellular Location: Cell membrane>Single-pass type II membrane protein.

Tissue Specificity: Expressed predominantly in brain.

Subunit Structure: Homodimer (in vitro) (PubMed:15476821). Interacts with KCND2 (PubMed:15454437, PubMed:18364354). Identified in a complex with KCND2 and KCNIP2 (PubMed:18364354). Forms an octameric complex composed of four DPP6 subunits bound to the KCND2 tetramer (PubMed:18364354).

Similarity: Belongs to the peptidase S9B family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	218512016
NCBI GeneID	1804
UniProt Accession #	P42658
Molecular Weight	Observed Molecular Weight: (Observed)97kD. Predicted Molecular Weight: (Calculated)98kDa.
NCBI Official Full Name	Dipeptidyl aminopeptidase-like protein 6
NCBI Official Synonym Full Names	dipeptidyl peptidase like 6
NCBI Official Symbol	DPP6
NCBI Official Synonym Symbols	VF2; DPL1; DPPX; MRD33
NCBI Protein Information	dipeptidyl aminopeptidase-like protein 6
UniProt Protein Name	Dipeptidyl aminopeptidase-like protein 6
UniProt Gene Name	DPP6
UniProt Synonym Gene Names	DPP VI
UniProt Entry Name	DPP6_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dpp6-antibody-elisa/329087>