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Product datasheet for TA349733S

Calcineurin A (PPP3CA) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Mouse brain tissue IHC: 25-100 Positive control: Human thyroid cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human PPP3CA
Formulation:	pH7.4 PBS, 0.05% NaN3, 40% Glyceroln
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	59 kDa
Gene Name:	protein phosphatase 3 catalytic subunit alpha
Database Link:	NP_000935 Entrez Gene 19055 MouseEntrez Gene 24674 RatEntrez Gene 5530 Human Q08209
Background:	Protein phosphatase 3, catalytic subunit, alpha isozyme is a protein that in humans is encoded by thePPP3CA gene. Calcium-dependent, calmodulin-stimulated protein phosphatase. Many of the substrates contain a PxIxIT motif. This subunit may have a role in the calmodulin activation of calcineurin. Dephosphorylates DNM1L, HSPB1 and SSH1.
Synonyms:	CALN; CALNA; CALNA1; CCN1; CNA1; PPP2B
Protein Families:	Druggable Genome, Phosphatase

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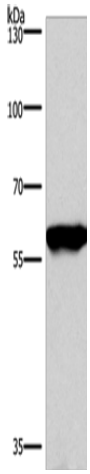
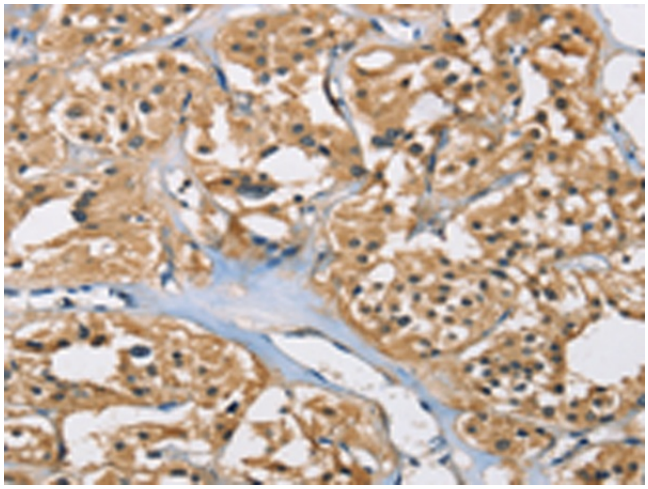
Protein Pathways: Alzheimer's disease, Amyotrophic lateral sclerosis (ALS), Apoptosis, Axon guidance, B cell receptor signaling pathway, Calcium signaling pathway, Long-term potentiation, MAPK signaling pathway, Natural killer cell mediated cytotoxicity, Oocyte meiosis, T cell receptor signaling pathway, VEGF signaling pathway, Wnt signaling pathway

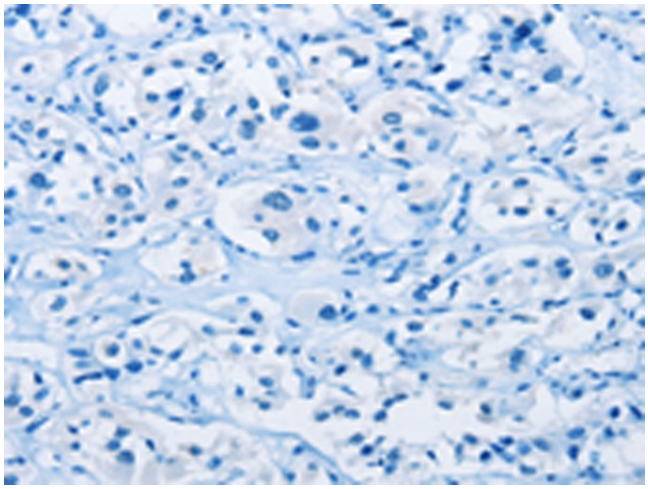
Product images:



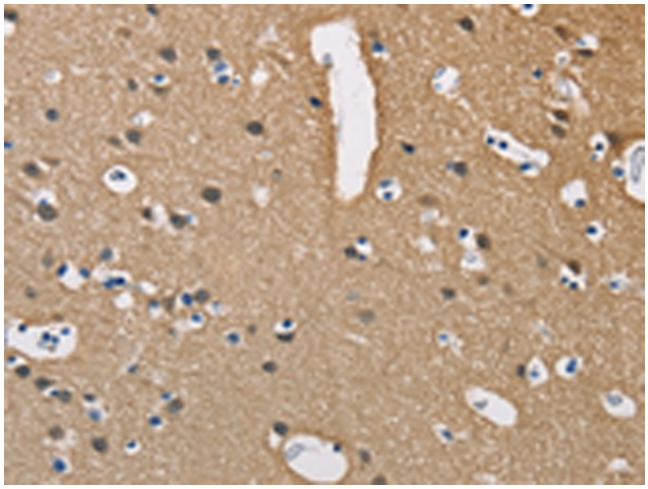
Gel: 6%SDS-PAGE
Lysate: 40 µg
Lane: Mouse brain tissue
Primary antibody: [TA349733] (PPP3CA Antibody) at dilution 1/900
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 1 second



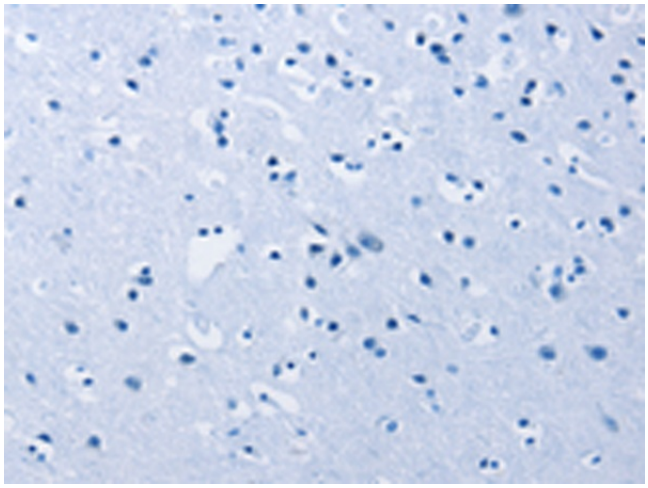
Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA349733] (PPP3CA Antibody) at dilution 1/40 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA349733] (PPP3CA Antibody) at dilution 1/40, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human brain tissue using [TA349733] (PPP3CA Antibody) at dilution 1/40 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human brain tissue using [TA349733] (PPP3CA Antibody) at dilution 1/40, treated with fusion protein. (Original magnification: ×200)