Anti-Casein Kinase 1 alpha Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P103174

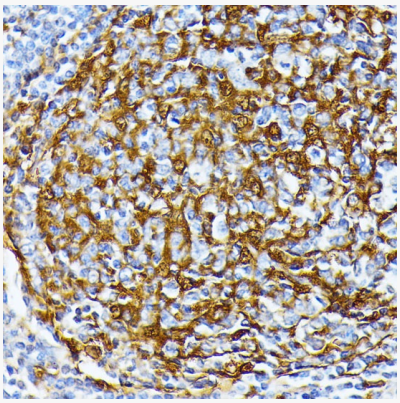
Product Information

Application	WB, IHC-P, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:2000; IHC-P 1:50~1:200; IF 1:50~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 238-337 of human Casein Kinase 1 alpha (CSNK1A1) (NP_001883.4).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Casein Kinase 1 alpha Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

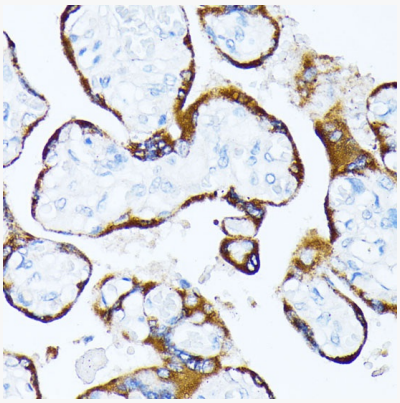
Protein Information

Synonyms	CK1; CK1a; CKIa; HLCDGP1; PRO2975; HEL-S-77p; Casein Kinase 1 alpha (CSNK1A1).
Calculated MW	Calculated MW: 39 kDa; Observed MW: 38 kDa
Uniprot ID	P48729
Gene ID	1452
Background	Enables protein serine/threonine kinase activity. Involved in several processes, including negative regulation of canonical Wnt signaling pathway; peptidyl-serine phosphorylation; and positive regulation of proteasomal ubiquitin-dependent protein catabolic process. Located in centrosome; cytosol; and nuclear speck. Part of beta-catenin destruction complex. Colocalizes with keratin filament and mRNA cleavage and polyadenylation specificity factor complex. Biomarker of Alzheimer's disease and inclusion body myositis.

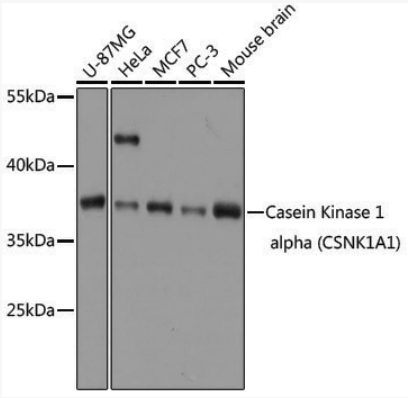
Validation Images



Immunohistochemistry analysis of paraffin-embedded Human tonsil using Casein Kinase 1 alpha (CSNK1A1) Rabbit pAb (P103174) at dilution of 1:100 (40× lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human placenta using Casein Kinase 1 alpha (CSNK1A1) Rabbit pAb (P103174) at dilution of 1:100 (40× lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Western blot analysis of various lysates using Casein Kinase 1 alpha (CSNK1A1) Rabbit pAb (P103174) at 1:1,000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 1s.