

Allgemeine Informationen

Katalog-Nr.: 12231-1-AP	GenBank-Zugangsnummer: BC015940	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 350 µg/ml von Nanodrop;	GeneID (NCBI): 4907	Empfohlene Verdünnungen: WB 1:1000-1:3000 IHC 1:250-1:1000 IF 1:50-1:500
Wirt: Kaninchen	Vollständiger Name: 5'-nucleotidase, ecto (CD73)	
Isotyp: IgG	Berechnete Masse: 29 kDa, 63 kDa	
Immunogen Katalognummer: AG2869	Beobachtete Masse: 63-70 kDa	

Anwendungen

Geprüfte Anwendungen:

FC, IF, IHC, WB, ELISA

In Publikationen genannte Anwendungen:

FC, IF, IHC, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Ratte, Rind

Hinweis-IHC: Antigenemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : A375-Zellen, HT-29-Zellen, HuH-7-Zellen, humanes Milzgewebe, Jurkat-Zellen, K-562-Zellen, Maushirngewebe

IHC : humanes Lungenkarzinomgewebe, humanes Kolongewebe, humanes Kolonkarzinomgewebe, humanes Magengewebe, humanes Magenkrebsgewebe, Mausnierengewebe

IF : Maus-Dünndarmgewebe,

Hintergrundinformationen

NT5E(5'-nucleotidase) is also named as NT5, NTE,CD73,ecto-5'-nucleotidase, and belongs to the 5'-nucleotidase family. It catalyzes the conversion at neutral pH of purine 5-prime mononucleotides to nucleosides, the preferred substrate being AMP.The enzyme occurs mainly as a dimer and the wide distribution of NT5E in the rat hippocampus, suggesting their involvement in the control of the purinergic signaling(PMID:17619139). This protein has two isoforms with the molecular weight of 63 kDa and 58 kDa and four glycosylation sites with a signalpeptide. It can exist as a dimer(PMID:17619139). It can be detected the band of 55 kDa,64 kDa, 70 kDa, 110 kDa by western blot(PMID:17619139; 12370277; 21533188). Defects in NT5E are the cause of calcification of joints and arteries (CALJA).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Xue Wu	36330907	Int Immunopharmacol	WB,IHC
Xuxin Chen	30362554	J Cell Physiol	FC
Wengeng Lu	34746277	Front Vet Sci	IF

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

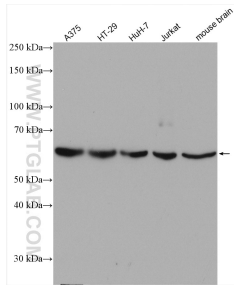
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

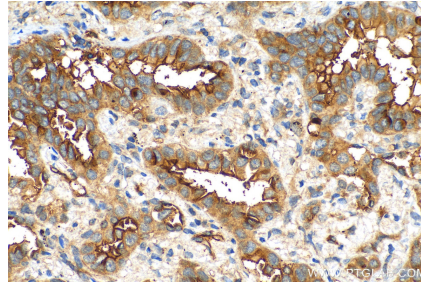
E: proteintech@ptglab.com
 W: ptglab.com

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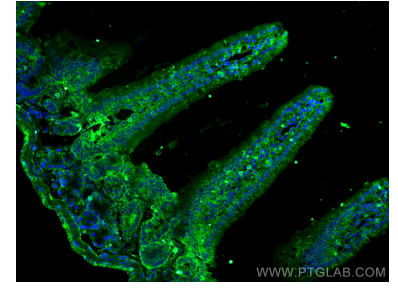
Ausgewählte Validierungsdaten



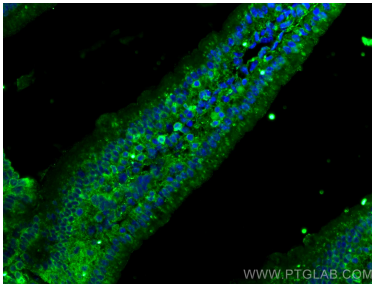
Various lysates were subjected to SDS PAGE followed by western blot with 12231-1-AP (NT5E/CD73 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



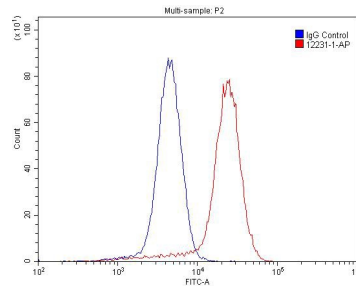
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 12231-1-AP (NT5E/CD73 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse small intestine tissue using NT5E/CD73 antibody (12231-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse small intestine tissue using NT5E/CD73 antibody (12231-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1x10⁶ NCCIT cell were stained with 0.2ug NT5E/CD73 antibody (12231-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.