

Nur für Forschungszwecke

ubiquitin Polyklonaler Antikörper

Katalog-Nr.: 10201-2-AP

269 Publikationen



Allgemeine Informationen

Katalog-Nr.: 10201-2-AP	GenBank-Zugangsnummer: BC000379	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 550 µg/ml von Nanodrop;	GeneID (NCBI): 7314	Empfohlene Verdünnungen: WB 1:500-1:1000 IHC 1:50-1:500
Wirt: Kaninchen	Vollständiger Name: ubiquitin B	
Isotyp: IgG	Berechnete Masse: 26 kDa	
Immunogen Katalognummer: AG0260		

Anwendungen

Geprüfte Anwendungen: FC, IHC, WB, ELISA	Positivkontrollen:
In Publikationen genannte Anwendungen: ChIP, CoIP, IF, IHC, WB	WB: MDA-MB-453s-Zellen, Mauslebergewebe, MCF-7-Zellen
Getestete Reaktivität: Human, Maus, Ratte	IHC: humanes Pankreaskarzinomgewebe,
Zitierte Arten: Affe, Arabidopsis, Human, Maus, Ratte, Trypanosoma Cruzi	
Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.	

Hintergrundinformationen

Ubiquitin B (UBB) is a member of ubiquitin family, one of the most conserved proteins known. Ubiquitin B is required for ATP-dependent, non-lysosomal intracellular protein degradation of abnormal proteins and normal proteins with a rapid turnover. Ubiquitin B is covalently bound to proteins to be degraded, and presumably labels these proteins for degradation. Ubiquitin also binds to histone H2A in actively transcribed regions but does not cause histone H2A degradation, suggesting that ubiquitin is also involved in regulation of gene expression. When polyubiquitin is free (unanchored-polyubiquitin), it also has distinct roles, such as in activation of protein kinases, and in signaling. This gene consists of three direct repeats of the ubiquitin coding sequence with no spacer sequence. Consequently, the protein is expressed as a polyubiquitin precursor with a final amino acid after the last repeat. Aberrant form of this protein has been noticed in patients with Alzheimer's and Down syndrome. Interestingly ubiquitin also becomes covalently bonded to many types of pathological inclusions which appear to be resistant to normal degradation.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Huanru Wang	31575039	Int J Mol Sci	WB
Fabao Liu	26309161	Oncotarget	ip
Yu Sun	34562065	J Cell Mol Med	WB

Lagerung

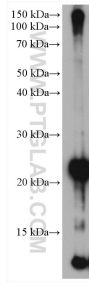
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

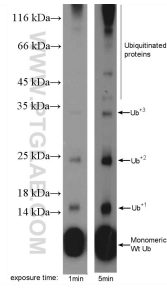
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

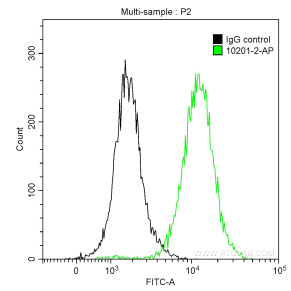
Ausgewählte Validierungsdaten



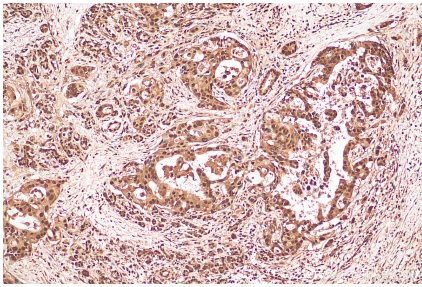
MDA-MB-453s cells were subjected to SDS PAGE followed by western blot with 10201-2-AP (ubiquitin antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



MDA-MB-453s cells were subjected to SDS PAGE followed by western blot with 10201-2-AP (ubiquitin Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



1X10⁶ HeLa cells were intracellularly stained with 0.2 ug Anti-Human ubiquitin (10201-2-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (green), and 0.2 ug Control Antibody. Cells were fixed with 90% MeOH.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 10201-2-AP (ubiquitin antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).