

## UBB antibody

### Product Information

Catalog No.:	FNab09197
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

### Background

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.

### Immunogen information

Immunogen:	ubiquitin B
Synonyms:	Polyubiquitin-B Ubiquitin UBB
Observed MW:	8 kDa, 15 kDa, 24 kDa, 34 kDa
Uniprot ID :	P0CG47

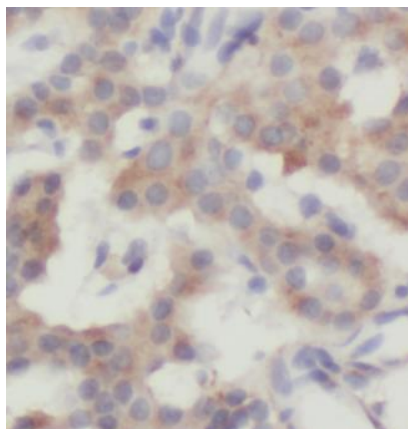
### Application

Reactivity: Human, Mouse, Rat

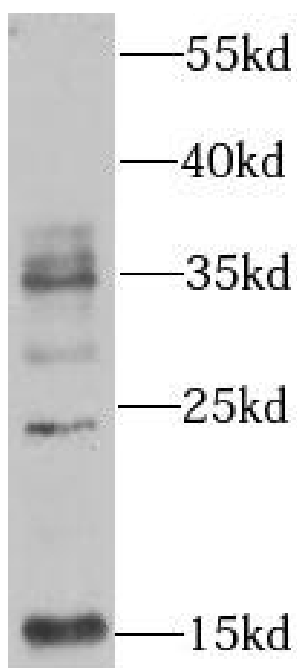
Tested Application: ELISA, IHC, IP, WB

Recommended dilution: WB: 1:200-1:2000; IP: 1:200-1:1000; IHC: 1:50-1:200

Image:



Immunohistochemistry of paraffin-embedded human pancreas using FNab09197(ubiquitin antibody) at dilution of 1:50



SW480 cells were subjected to SDS PAGE followed by western blot with FNab09197(ubiquitin Antibody) at dilution of 1:600