

Product datasheet for **TA364407S**

Ubiquitin (UBB) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Mouse pancreas tissue, Hela cells and mouse liver tissue, A549 and 293T cells IHC: 25-100 Positive control: Human thyroid cancer Predicted cell location: Nucleus and Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human UBB
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	26 kDa
Gene Name:	ubiquitin B
Database Link:	Entrez Gene 7314 Human P0CG47



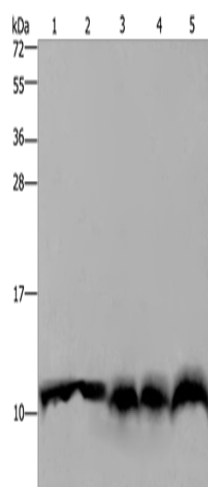
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Background:

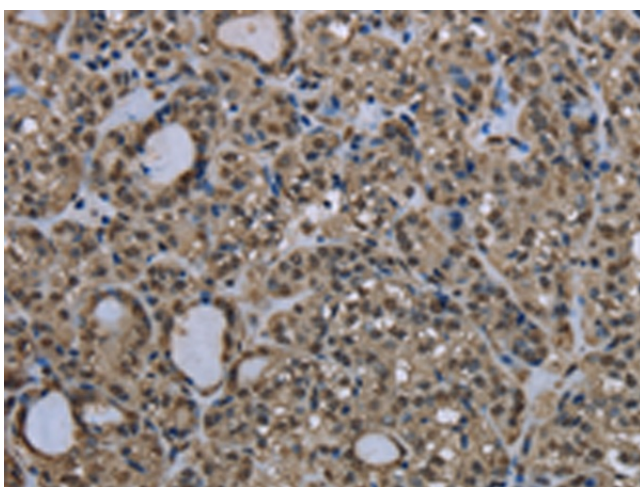
This gene encodes ubiquitin, one of the most conserved proteins known. Ubiquitin has a major role in targeting cellular proteins for degradation by the 26S proteasome. It is also involved in the maintenance of chromatin structure, the regulation of gene expression, and the stress response. Ubiquitin is synthesized as a precursor protein consisting of either polyubiquitin chains or a single ubiquitin moiety fused to an unrelated protein. 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. An aberrant form of this protein has been detected in patients with Alzheimer's disease and Down syndrome. Pseudogenes of this gene are located on chromosomes 1, 2, 13, and 17. Alternative splicing results in multiple transcript variants.

Synonyms:

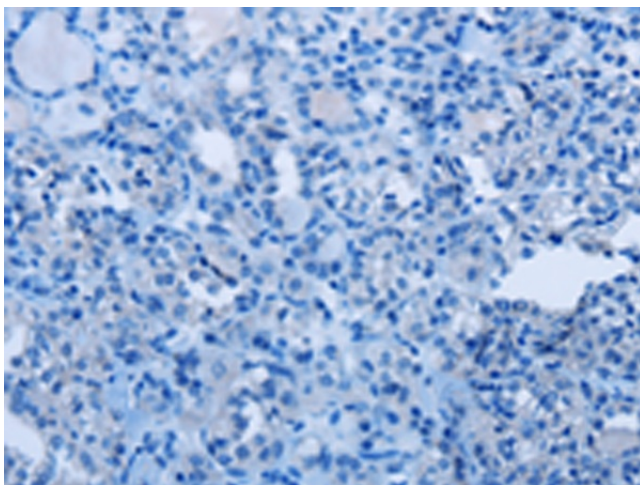
FLJ25987; MGC8385; OTTHUMP00000064960; OTTHUMP00000064961; UBA80; UBCEP1; UBCEP2

Product images:

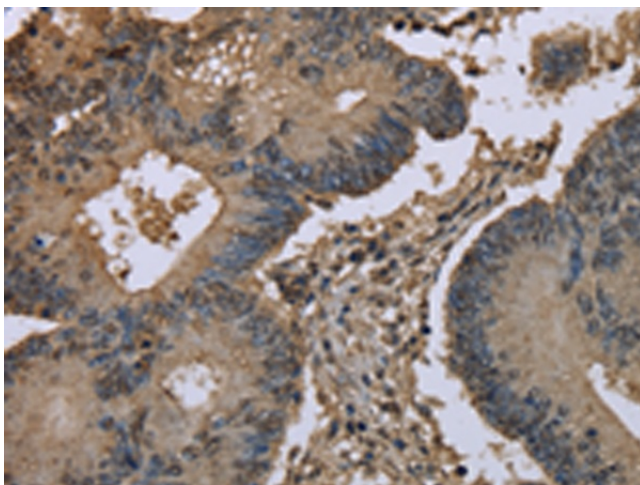
Gel: 10%SDS-PAGE
Lysate: 40 µg
Lane 1-5: Mouse pancreas tissue
HeLa cells
mouse liver tissue
A549 cells
293T cells
Primary antibody: [TA364407] (UBB Antibody) at dilution 1/500
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 20 seconds



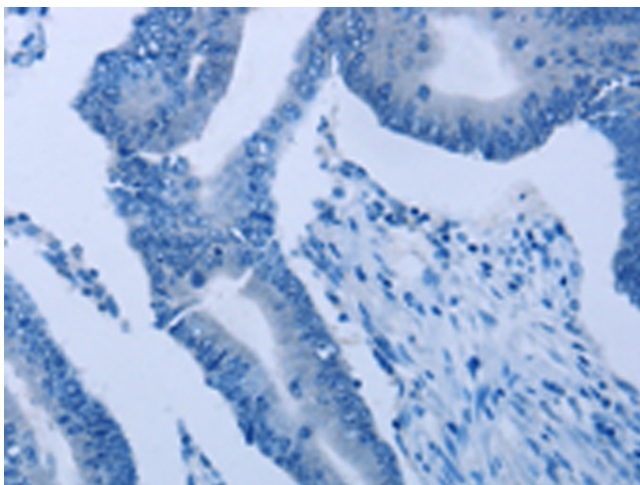
Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA364407] (UBB Antibody) at dilution 1/20 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA364407] (UBB Antibody) at dilution 1/20, treated with fusion protein. (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA364407] (UBB Antibody) at dilution 1/20 (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA364407] (UBB Antibody) at dilution 1/20, treated with fusion protein. (Original magnification: x200)