

## Product datasheet for **TA806527M**

### UBE2D2 Mouse Monoclonal Antibody [Clone ID: OTI1A9]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1A9
Applications:	IHC
Recommended Dilution:	IHC 1:150
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human UBE2D2 (NP_003330) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	16.6 kDa
Gene Name:	ubiquitin conjugating enzyme E2 D2
Database Link:	<a href="#">NP_003330</a> <a href="#">Entrez Gene 641452 Rat</a> <a href="#">Entrez Gene 7322 Human</a> <a href="#">P62837</a>

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**Background:**

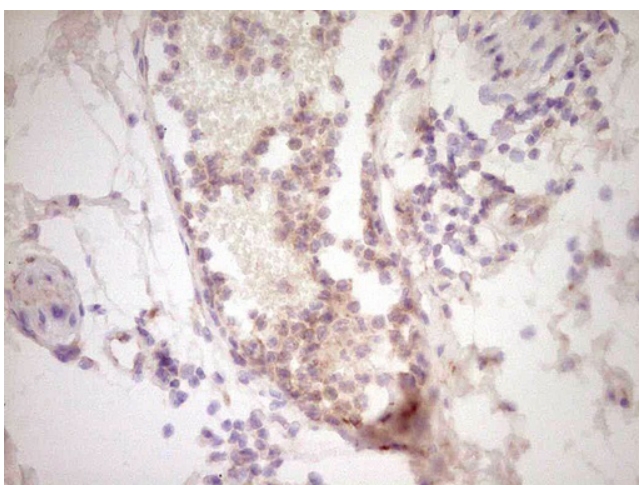
Regulated degradation of misfolded, damaged or short-lived proteins in eukaryotes occurs via the ubiquitin (Ub)-proteasome system (UPS). An integral part of the UPS system is the ubiquitination of target proteins and covalent linkage of Ub-containing proteins to form polymeric chains, marking them as targets for 26S proteasome-mediated degradation. Ubiquitination of proteins is mediated by a cascade of enzymes which includes E1 (ubiquitin activating), E2 (ubiquitin conjugating), and E3 (ubiquitin ligases) enzymes. This gene encodes a member of the E2 enzyme family. Substrates of this enzyme include the tumor suppressor protein p53 and peroxisomal biogenesis factor 5 (PEX5). Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, May 2013]

**Synonyms:**

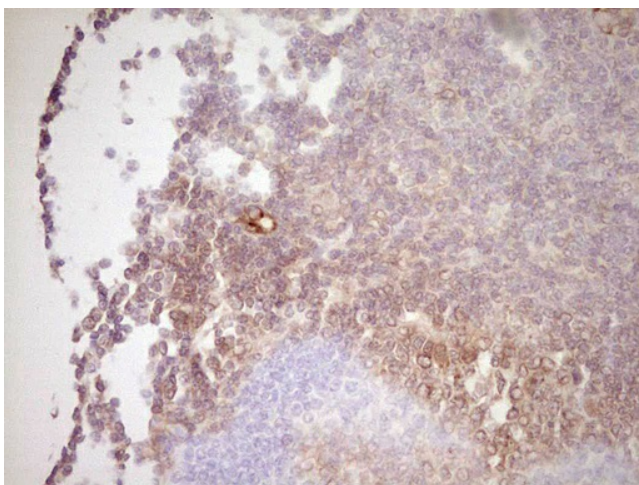
E2(17)KB2; PUBC1; UBC4; UBC4/5; UBCH4; UBCH5B

**Protein Pathways:**

Ubiquitin mediated proteolysis

**Product images:**


Immunohistochemical staining of paraffin-embedded Human bladder tissue within the normal limits using anti-UBE2D2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-UBE2D2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.