

## Product datasheet for **TA806527S**

### 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><br><a href="#">Entrez Gene 641452 Rat</a> <a href="#">Entrez Gene 7322 Human</a><br><a href="#">P62837</a> |



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**Background:**

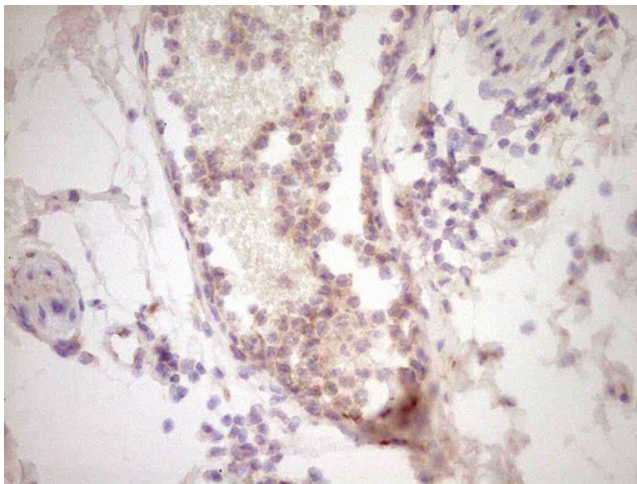
Regulated degradation of misfolded, damaged or short-lived proteins in eukaryotes occurs via the ubiquitin (Ub)-proteasome system (UPS). An integral part of the UPS system is the ubiquitination of target proteins and covalent linkage of Ub-containing proteins to form polymeric chains, marking them as 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:**

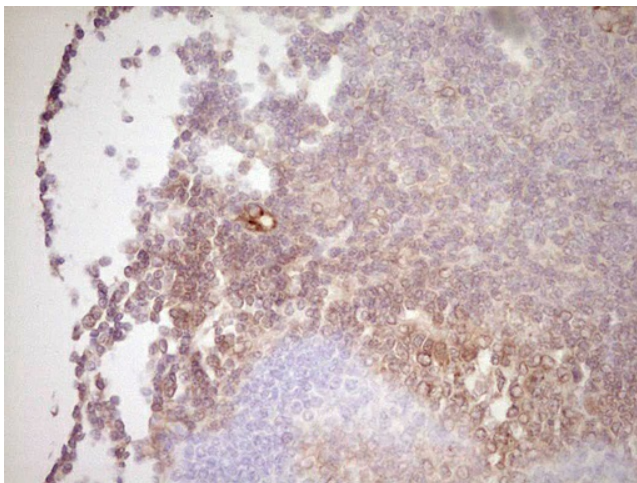
E2(17)KB2; PUBC1; UBC4; UBC4/5; UBCH4; UBCH5B

**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 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA806527])



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-UBE2D2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA806527])