

## Product datasheet for **TA362601**

### DDB2 Rabbit Polyclonal Antibody

#### Product data:

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Applications:           | WB  |
| Reactivity:             | Human   |
| Host:                   | Rabbit  |
| Clonality:              | Polyclonal  |
| Immunogen:              | The immunogen is a synthetic peptide directed towards the middle region of human DDB2   |
| Specificity:            | <b>Expected reactivity:</b> Human   |
| Formulation:            | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.<br><i>Note that this product is shipped as lyophilized powder to China customers.</i> |
| Concentration:          | lot specific  |
| Purification:           | Affinity purified   |
| Conjugation:            | Unconjugated  |
| Storage:                | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.   |
| Stability:              | Shelf life: one year from despatch.   |
| Predicted Protein Size: | 46 kDa  |
| Gene Name:              | damage specific DNA binding protein 2   |
| Database Link:          | <a href="#">NP_000098.1</a><br><a href="#">Entrez Gene 1643 Human</a><br><a href="#">Q92466</a>   |



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**Background:**

This gene encodes a protein that is necessary for the repair of ultraviolet light-damaged DNA. This protein is the smaller subunit of a heterodimeric protein complex that participates in nucleotide excision repair, and this complex mediates the ubiquitylation of histones H3 and H4, which facilitates the cellular response to DNA damage. This subunit appears to be required for DNA binding. Mutations in this gene cause xeroderma pigmentosum complementation group E, a recessive disease that is characterized by an increased sensitivity to UV light and a high predisposition for skin cancer development, in some cases accompanied by neurological abnormalities. Two transcript variants encoding different isoforms have been found for this gene.

**Synonyms:**

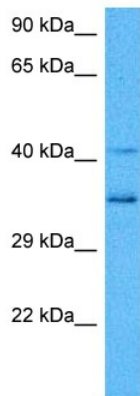
DDBB; FLJ34321; UV-DDB2

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Nucleotide excision repair, p53 signaling pathway, Ubiquitin mediated proteolysis

**Product images:**

Host: Rabbit  
Target Name: DDB2  
Sample Type: 293T Cell Lysate  
Antibody Dilution: 1.0 $\mu$ g/ml

Host: Rabbit  
Target Name: DDB2  
Sample Tissue: Human 293T Whole Cell lysates  
Antibody Dilution: 1 $\mu$ g/ml