# **UBE2D1 Polyclonal Antibody**

Catalog Number: E-AB-60521



Note: Centrifuge before opening to ensure complete recovery of vial contents.

#### **Description**

Reactivity Human, Mouse, Rat

**Immunogen** Recombinant fusion protein of human UBE2D1 (NP\_003329.1).

Host Rabbit
Isotype IgG

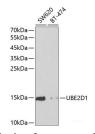
Purification Affinity purification
Conjugation Unconjugated

**Formulation** PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## **Applications** Recommended Dilution

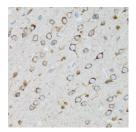
WB 1:500-1:2000 IHC 1:50-1:200

#### Data

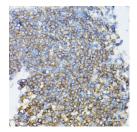


Western blot analysis of extracts of various cell lines using UBE2D1 Polyclonal Antibody at dilution of

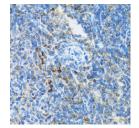
Observed Mw:14kDa Calculated Mw:16kDa



Immunohistochemistry of paraffin-embedded Rat brain using UBE2D1 Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Rat spleen using UBE2D1 Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Mouse spleen using UBE2D1 Polyclonal Antibody at dilution of 1:100 (40x lens).

## **Preparation & Storage**

Storage Store at -20°C. Avoid freeze / thaw cycles.

### **Background**

The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s,

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ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. This enzyme is closely related to a stimulator of iron transport (SFT), and is upregulated in hereditary hemochromatosis. It also functions in the ubiquitination of the tumor-suppressor protein p53 and the hypoxia-inducible transcription factor HIF1alpha by interacting with the E1 ubiquitin-activating enzyme and the E3 ubiquitin-protein ligases. Two transcript variants encoding different isoforms have been found for this gene.

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