

## Product Information

**Size:**

50ug

**Reactivity:**

Human

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA, IHC

**Recommended dilutions:**

ELISA:1:2000-1:10000, IHC:1:20-1:200

**Protein Background:**

Component of the RNF20/40 E3 ubiquitin-protein ligase complex that mediates monoubiquitination of 'Lys-120' of histone H2B (H2BK120ub1). H2BK120ub1 gives a specific tag for epigenetic transcriptional activation and is also prerequisite for histone H3 'Lys-4' and 'Lys-79' methylation (H3K4me and H3K79me, respectively). It thereby plays a central role in histone code and gene regulation. The RNF20/40 complex forms a H2B ubiquitin ligase complex in cooperation with the E2 enzyme UBE2A or UBE2B; reports about the cooperation with UBE2E1/UBCH are contradictory. Required for transcriptional activation of Hox genes.

**Gene ID:**

RNF40

**Uniprot**

O75150

**Synonyms:**

E3 ubiquitin-protein ligase BRE1B (BRE1-B) (EC 2.3.2.27) (95 kDa retinoblastoma-associated protein) (RBP95) (RING finger protein 40) (RING-type E3 ubiquitin transferase BRE1B), RNF40, BRE1B KIAA0661

**Immunogen:**

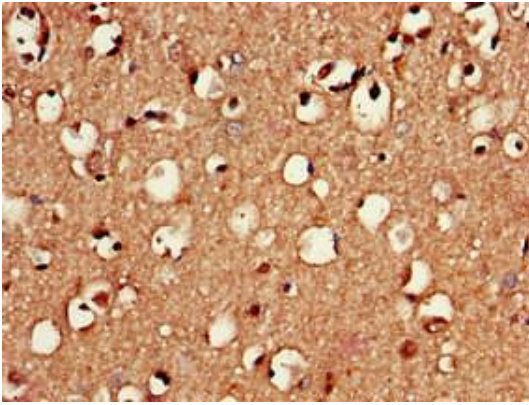
Recombinant Human E3 ubiquitin-protein ligase BRE1B protein (471-724AA).

**Storage:**

Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, pH 7.4

## Product Images

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Immunohistochemistry of paraffin-embedded human brain tissue using PACO49958 at dilution of 1:100.