

## ERAB Antibody

Catalog No: #21602

Package Size: #21602-1 50ul #21602-2 100ul

## Description

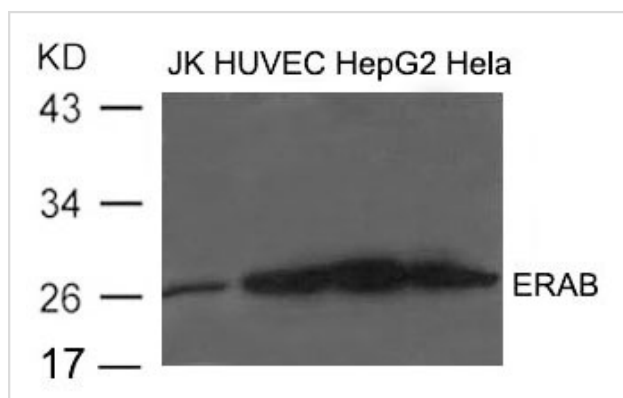
|                       |                                                                                                                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | ERAB Antibody                                                                                                                                                                 |
| Host Species          | Rabbit                                                                                                                                                                        |
| Clonality             | Polyclonal                                                                                                                                                                    |
| Purification          | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide. |
| Applications          | WB                                                                                                                                                                            |
| Species Reactivity    | Hu                                                                                                                                                                            |
| Specificity           | The antibody detects endogenous level of total ERAB protein.                                                                                                                  |
| Immunogen Type        | Peptide-KLH                                                                                                                                                                   |
| Immunogen Description | Peptide sequence around aa.253~257(L-D-G-A-I)derived from Human ERAB.                                                                                                         |
| Conjugates            | Unconjugated                                                                                                                                                                  |
| Target Name           | ERAB                                                                                                                                                                          |
| Other Names           | ABAD; CAMR; HCD2; MHBD; HADH2                                                                                                                                                 |
| Accession No.         | Swiss-Prot: Q99714NCBI Protein: NP_004484.1                                                                                                                                   |
| Concentration         | 1.0mg/ml                                                                                                                                                                      |
| Formulation           | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                  |
| Storage               | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.                                                                                     |

## Application Details

Predicted MW: 27kd

Western blotting: 1:500~1:1000

## Images



Western blot analysis of extract from JK, HUVEC, HepG2 and Hela cells using ERAB Antibody #21602

## Background

Functions in mitochondrial tRNA maturation. Part of mitochondrial ribonuclease P, an enzyme composed of MRPP1/RG9MTD1, MRPP2/HSD17B10 and MRPP3/KIAA0391, which cleaves tRNA molecules in their 5'-ends. By interacting with intracellular amyloid-beta, it may contribute to the neuronal dysfunction associated with Alzheimer disease (AD).

Holzmann J., Frank P., Loeffler E., Bennett K.L., Gerner C., Rossmannith W. Cell 135:462-474(2008)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.