

## ERAB Ab

Cat.#: AF4051	Concn.: 1mg/ml	Mol.Wt.: 27kd
Size: 50ul,100ul,200ul	Source: Rabbit	Clonality: Polyclonal

**Application:** WB 1:500-1:1000, IF/ICC 1:100-1:500

**Reactivity:** Human,Mouse,Rat

**Purification:** The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

**Specificity:** The Ab detects endogenous level of total ERAB protein.

**Immunogen:** Peptide sequence around aa.253~257(L-D-G-A-I)derived from Human ERAB.

**Uniprot:** Q99714

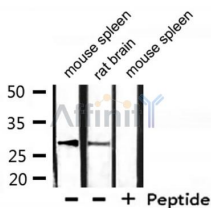
**Description:** Functions in mitochondrial tRNA maturation. Part of mitochondrial ribonuclease P, an enzyme composed of MRPP1/RG9MTD1, MRPP2/HSD17B10 and MRPP3/KIAA0391, which cleaves tRNA molecules in their 5'-ends. By interacting with intracellular amyloid-beta, it may contribute to the neuronal dysfunction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

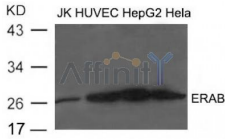
**Subcellular Location:** Mitochondrion.

**Tissue Specificity:** Ubiquitously expressed in normal tissues but is overexpressed in neurons affected in AD.

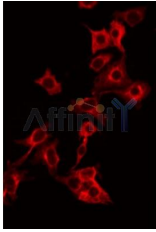
**Similarity:** Belongs to the short-chain dehydrogenases/reductases (SDR) family.

**Storage Condition and Buffer:** Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.





Western blot analysis of extract from JK, HUVEC, HepG2 and Hela cells using ERAB Ab



AF4051 staining LOVO by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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