ELK Biotechnology

AL7A1 rabbit pAb

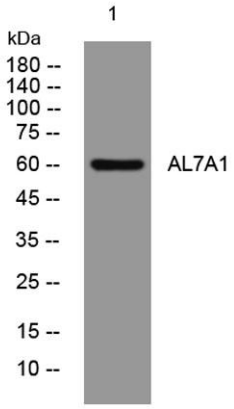
Cat No.:ES18406

For research use only

Overview

Product Name	AL7A1 rabbit pAb
Host species	Rabbit
Applications	WB
Species Cross-Reactivity	Human; Mouse;Rat
Recommended dilutions	WB 1： 500-2000
Immunogen	Synthesized peptide derived from human AL7A1 AA range: 229-279
Specificity	This antibody detects endogenous levels of AL7A1 at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	AL7A1
Gene Name	ALDH7A1 ATQ1
Cellular localization	[Isoform 2]: Cytoplasm, cytosol . Nucleus .; [Isoform 1]: Mitochondrion .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	501
Human Swiss-Prot Number	P49419
Alternative Names	
Background	The protein encoded by this gene is a member of subfamily 7 in the aldehyde dehydrogenase gene family. These enzymes are thought to play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. This particular member has homology to a previously described protein from the green garden pea, the 26g pea turgor protein. It is also involved in lysine

catabolism that is known to occur in the mitochondrial matrix. Recent reports show that this protein is found both in the cytosol and the mitochondria, and the two forms likely arise from the use of alternative translation initiation sites. An additional variant encoding a different isoform has also been found for this gene. Mutations in this gene are associated with pyridoxine-dependent epilepsy. Several related pseudogenes have also been identified. [provided by RefSeq, Jan 2011],



Western blot analysis of lysates from A431 cells, primary antibody was diluted at 1:1000, 4°over night