

AP52435PU-N**Polyclonal Antibody to Duranin (Center) - Aff - Purified**

Alternate names:	C14orf160, L-2-hydroxyglutarate dehydrogenase, L2HGDH, hydroxyglutarate dehydrogenase
Quantity:	0.4 ml
Concentration:	lot specific
Background:	The L2HGDH gene encodes L-2-hydroxyglutarate dehydrogenase, a FAD-dependent enzyme that oxidizes L-2-hydroxyglutarate to alpha-ketoglutarate in a variety of mammalian tissues. Mutations in this gene cause L-2-hydroxyglutaric aciduria, a rare autosomal recessive neurometabolic disorder resulting in moderate to severe mental retardation.
Uniprot ID:	Q9H9P8
NCBI:	NP_079160
GeneID:	79944
Host / Isotype:	Rabbit / Ig
Immunogen:	Synthetic peptide - KLH conjugated - corresponding to the central region (between 139-167aa) of human L2HGDH/Duranin.
Format:	State: Liquid purified Ig fraction Purification: Purified through a protein A column; followed by peptide affinity purification. Buffer System: PBS with 0.09% (W/V) Sodium Azide.
Applications:	This antibody is suitable for Western blotting . The suggested dilution is: 1/100-1/500. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects L2HGDH/ Duranin.
Species Reactivity:	Tested: Human, Mouse
Add. Information:	Molecular Weight: 50359 Da
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Short, A.D., et al. Vet. Rec. 167(12):455-457 (2010) Steenweg, M.E., et al. Hum. Mutat. 31(4):380-390 (2010) Kranendijk, M., et al. Hum. Mutat. 31(3):279-283 (2010) Vilarinho, L., et al. J. Hum. Genet. 55(1):55-58 (2010) Haliloglu, G., et al. Neuropediatrics 39(2):119-122 (2008)

Pictures:

Western blot analysis in MDA-MB435 cell line and mouse kidney tissue lysates (35ug/lane) using L2HGDH/Duranin antibody Cat.-No. AP52435PU-N. This demonstrates the L2HGDH antibody detected the L2HGDH protein (arrow).

