

#9536 Store at -20C

Enolase-2 Antibody

Cell Signaling
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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source:	UniProt ID:	Entrez-Gene Id:
WB	H M	Endogenous	47	Rabbit	#P09104	2026

Product Usage Information	Application	Dilution
	Western Blotting	1:1000
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at –20°C. Do not aliquot the antibody.	
Specificity / Sensitivity	Enolase-2 Antibody detects endogenous levels of total enolase-2 protein and does not cross-react with enolase-1.	
Source / Purification	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the sequence of human enolase-2. Antibodies are purified by protein A and peptide affinity chromatography.	
Background	Enolase is a glycolytic enzyme that is involved in the conversion of 2-phosphoglycerate to phosphoenolpyruvate (1). Mammalian enolase has three subunits: α, β, and γ, that can form homo and heterodimers. Homodimers of γ enolase are neuronal-specific (2). Research studies have shown elevated levels of neuro-specific enolase-2 in neuroblastoma (2) and small-cell lung cancer (3,4).	
Background References	1. Van Obberghen, E. et al. (1988) <i>J Neurosci Res</i> 19, 450-6. 2. Pancholi, V. (2001) <i>Cell Mol Life Sci</i> 58, 902-20. 3. Stern, P. et al. (2007) <i>Tumour Biol</i> 28, 84-92. 4. O'Shea, P. et al. (1995) <i>Ir J Med Sci</i> 164, 31-6.	

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	WB: Western Blotting
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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