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## Enolase-2 Antibody

**For Research Use Only. Not for Use in Diagnostic Procedures.**

<b>Applications:</b> W	<b>Reactivity:</b> H M	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 47	<b>Source/Isotype:</b> Rabbit	<b>UniProt ID:</b> #P09104	<b>Entrez-Gene Id:</b> 2026
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<b>Product Usage Information</b>	<b>Application</b> Western Blotting	<b>Dilution</b> 1:1000
<b>Storage</b>	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.	
<b>Specificity/Sensitivity</b>	Enolase-2 Antibody detects endogenous levels of total enolase-2 protein and does not cross-react with enolase-1.	
<b>Source / Purification</b>	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.	
<b>Background</b>	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).	
<b>Background References</b>	<ol style="list-style-type: none"> <li>1. Van Obberghen, E. et al. (1988) <i>J Neurosci Res</i> 19, 450-6.</li> <li>2. Pancholi, V. (2001) <i>Cell Mol Life Sci</i> 58, 902-20.</li> <li>3. Stern, P. et al. (2007) <i>Tumour Biol</i> 28, 84-92.</li> <li>4. O'Shea, P. et al. (1995) <i>Ir J Med Sci</i> 164, 31-6.</li> </ol>	
<b>Species Reactivity</b>	Species reactivity is determined by testing in at least one approved application (e.g., western blot).	
<b>Western Blot Buffer</b>	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.	
<b>Applications Key</b>	<b>W:</b> Western Blotting	
<b>Cross-Reactivity Key</b>	<b>H:</b> Human <b>M:</b> Mouse	
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