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Axl Antibody

Store at -20C
#4977

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

Applications: W, IP	Reactivity: H M R Hm Mk	Sensitivity: Endogenous	MW (kDa): 138	Source/Isotype: Rabbit	UniProt ID: #P30530	Entrez-Gene Id: 558
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Product Usage Information	Application Western Blotting Immunoprecipitation	Dilution 1:1000 1:50
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	Axl Antibody detects endogenous levels of Axl protein. The antibody does not cross-react with related proteins.	
Species predicted to react based on 100% sequence homology	Bovine	
Source / Purification	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to sequences surrounding amino acid residue 740 of human Axl. Antibodies are purified by protein A and peptide affinity chromatography.	
Background	Axl, Sky, and Mer are three members of a receptor tyrosine kinase (RTK) family that share a conserved intracellular tyrosine kinase domain and an extracellular domain similar to those seen in cell adhesion molecules. These RTKs bind the vitamin K-dependent protein growth-arrest-specific gene 6 (Gas6), which is structurally related to the protein S anticoagulation factor (1). Upon binding to its receptor, Gas6 activates phosphatidylinositol 3-kinase (PI3K) and its downstream targets Akt and S6K, as well as NF-κB (2,3). A large body of evidence supports a role for Gas6/Axl signaling in cell growth and survival in normal and cancer cells (4).	
Background References	<ol style="list-style-type: none"> Crosier, K.E. and Crosier, P.S. (1997) <i>Pathology</i> 29, 131-5. Demarchi, F. et al. (2001) <i>J Biol Chem</i> 276, 31738-44. Lee, W.P. et al. (2002) <i>Oncogene</i> 21, 329-36. Bellosta, P. et al. (1997) <i>Oncogene</i> 15, 2387-97. 	

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	W: Western Blotting IP: Immunoprecipitation
Cross-Reactivity Key	H: Human M: Mouse R: Rat Hm: Hamster Mk: Monkey
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