

TAP2 Antibody



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Applications: W, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 72	Source/Isotype: Rabbit	UniProt ID: #Q03519	Entrez-Gene Id: 6891
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 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		TAP2 Antibody recognizes endogenous levels of total TAP2 protein.				
Species predicted to react based on 100% sequence homology		Monkey				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Phe588 of human TAP2 protein. Antibodies are purified by protein A and peptide affinity chromatography.				
Background CD8 ⁺ cytotoxic T cells recognize peptides presented by MHC class I cells and tumor cells. The transporters associated with antigen proform the TAP complex which resides on the ER membrane and trainto the ER for loading onto MHC class I molecules (1-8). In addition membranes is important for cross-presentation by dendritic cells (NK cells in response to infection causes upregulation of TAP1 and presentation to T cells (11). Some viral proteins inhibit TAP function resulting in viral immune evasion (12,13). In addition, investigators expression in a variety of tumor types, and it is thought to be one evasion (14).					rocessing 1 and 2 (ansports peptides ton, TAP localized to on, TAP localized to (9,10). IFN-y produ d TAP2, resulting in on or downregulators have observed r	TAP1 and TAP2) from the cytoplasm o endosomal uced by T cells and increased antigen e TAP expression educed TAP
Background References		1. Trowsdale, J. et al. (1990) Nature 348, 741-4. 2. Spies, T. et al. (1990) Nature 348, 744-7. 3. Deverson, E.V. et al. (1990) Nature 348, 738-41. 4. Monaco, J.J. et al. (1990) Science 250, 1723-6. 5. Spies, T. and DeMars, R. (1991) Nature 351, 323-4. 6. Kleijmeer, M.J. et al. (1992) Nature 357, 342-4. 7. Kelly, A. et al. (1992) Nature 355, 641-4. 8. Spies, T. et al. (1992) Nature 355, 644-6. 9. Huang, A.Y. et al. (1996) Immunity 4, 349-55. 10. Guermonprez, P. et al. (2003) Nature 425, 397-402. 11. Bahram, S. et al. (1991) Proc Natl Acad Sci U S A 88, 10094-8. 12. Früh, K. et al. (1995) Nature 375, 415-8. 13. Bennett, E.M. et al. (1999) J Immunol 162, 5049-52. 14. Steer, H.J. et al. (2010) Oncogene 29, 6301-13.				

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 nonfat dry milk, 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

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