

## Product datasheet for **TA388847M**

### MRAP2 Rabbit Polyclonal Antibody

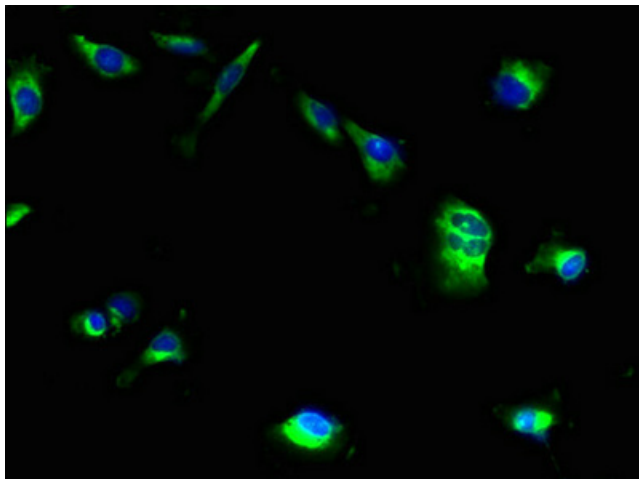
#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200, IF:1:50-1:200
Reactivity:	Mouse, Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant Human Melanocortin-2 receptor accessory protein 2 protein (66-205AA)
Formulation:	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Concentration:	lot specific
Purification:	>95%, Protein G purified
Conjugation:	Unconjugated
Storage:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Stability:	1 year from dispatch.
Database Link:	<a href="#">Q96G30</a>
Background:	Modulator of melanocortin receptor 4 (MC4R), a receptor involved in energy homeostasis. Plays a central role in the control of energy homeostasis and body weight regulation by increasing ligand-sensitivity of MC4R and MC4R-mediated generation of cAMP. May also act as a negative regulator of MC2R: competes with MRAP for binding to MC2R and impairs the binding of corticotropin (ACTH) to MC2R. May also regulate activity of other melanocortin receptors (MC1R, MC3R and MC5R); however, additional evidences are required in vivo.

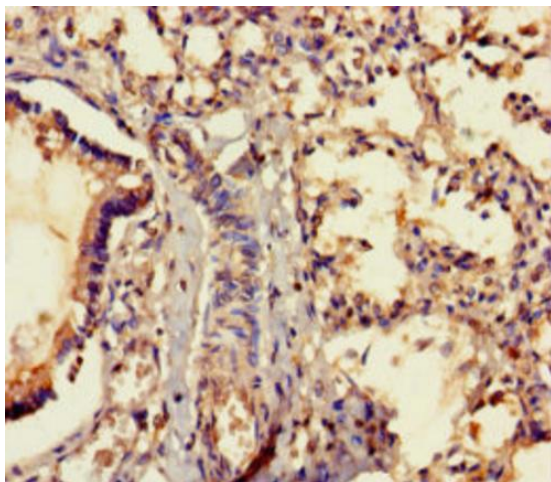


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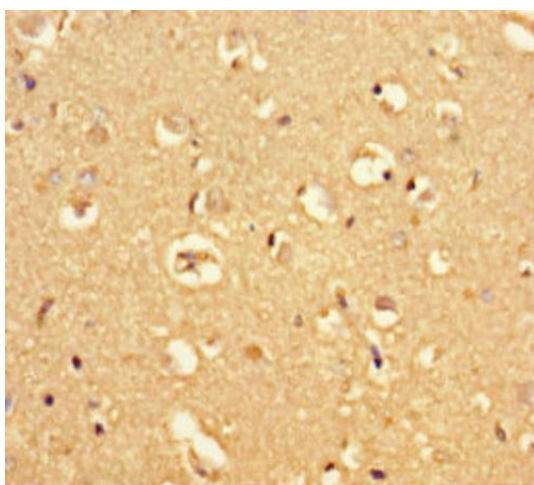
## Product images:



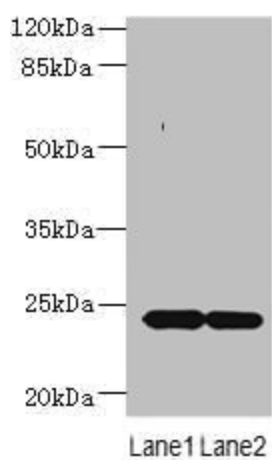
Immunofluorescent analysis of U251 cells using [TA388847] at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Immunohistochemistry of paraffin-embedded human lung tissue using [TA388847] at dilution of 1:100



Immunohistochemistry of paraffin-embedded human brain tissue using [TA388847] at dilution of 1:100



Western blot  
All lanes: MRAP2 antibody at 7 $\mu$ g/ml  
Lane 1: Mouse brain tissue  
Lane 2: Mouse kidney tissue  
Secondary  
Goat polyclonal to rabbit IgG at 1/10000 dilution  
Predicted band size: 24 kDa  
Observed band size: 24 kDa