

## Anti-Somatostatin Receptor 1 Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse, Rat (predicted: Dog, Pig, Cow, Horse, Guinea Pig)
Molecular Weight:	Theoretical: 43 kDa. Actual: 43 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	1. Sample: Heart (Mouse) Lysate at 30 µg	
	Primary: Anti-Somatostatin Receptor 1 (TMAB-13041) at 1/300 dilution	
	Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution	
	Predicted band size: 43 kD	
	Observed band size: 43 kD	
	2. Sample: A549 Cell Lysate at 30 µg	
	Primary: Anti-Somatostatin Receptor 1 (TMAB-13041) at 1/300 dilution	
	Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution	
	Predicted band size: 43 kD	
	Observed band size: 43 kD	
	3. Sample:	Lane 1: Mouse Stomach tissue lysates
		Lane 2: Mouse Cerebrum tissue lysates
	Lane 3: Rat Stomach tissue lysates	
	Lane 4: Rat Cerebrum tissue lysates	
	Primary: Anti-Somatostatin Receptor 1 (TMAB-13041) at 1/1000 dilution	
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution	
	Predicted band size: 43 kDa	
	Observed band size: 43 kDa	
Application:	WB	
Recommended	WB: 1:500-2000	

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human SSTR1  
Antigen Species: Human  
Gene ID: 6751  
Uniprot ID: P30872

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### Research Background

Somatostatins are peptide hormones that regulate diverse cellular functions such as neurotransmission, cell proliferation, and endocrine signaling as well as inhibiting the release of many hormones and other secretory proteins. Somatostatin has two active forms of 14 and 28 amino acids. The biological effects of somatostatins are mediated by a family of G-protein coupled somatostatin receptors that are expressed in a tissue-specific manner. The protein encoded by this gene is a member of the superfamily of somatostatin receptors having seven transmembrane segments. Somatostatin receptors form homodimers and heterodimers with other members of the superfamily as well as with other G-protein coupled receptors and receptor tyrosine kinases. This somatostatin receptor has greater affinity for somatostatin-14 than -28. [provided by RefSeq, Jul 2012]

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