Purdue Bioscience

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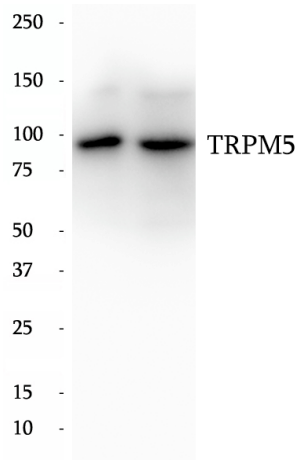
Certificate of Analysis

Catalog Number	BP65031
Product Name	Anti-TRPM5 antibody

Physical and Chemical Properties

Molecular Weight	98 kDa
GenBank	BC093787
Uniprot	Q9NZQ8
Concentration	540 µg/ml
Form	Liquid
Storage Instruction	10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do Not Aliquot.
Chemical Structure OR Tested Image	

Product Information

Description	Transient receptor potential (TRP) proteins are a diverse family of proteins with structural features typical of ion channels subfamily which are Ca (2+)-permeable cation channels localized predominantly to the plasma membrane. TRPM5 plays a central role in taste transduction. TRPM5 is implicated in enhancing TRPA1 expression and may be involved in regulating insulin secretion. Alternative splicing results in transcript variants encoding distinct isoforms with calculated molecular weights of 98 kDa or 131 kDa. It has been reported that TRPM5 is N-linked glycosylated at a unique site and TRPM5 glycosylation seems not to be involved in channel trafficking, but mainly in its functional regulation.
Tested Applications	WB: 1:1000; IF: 1:100-1:300; IHC:1:50-1:200
Species Reactivity	Human, Mouse, Rat
Host Species/Isotype	Rabbit/IgG

Analytical Data

Quality Assurance	The biological and chemical parameters such as concentration, purity, application and specificity of the tested antibody comply with the above-mentioned criteria of the product.

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