

Product datasheet for **BP5104**

SYNPR Guinea Pig Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC
Recommended Dilution:	Immunofluorescence Microscopy: 1/100-200 for 1 h at RT. Immunohistochemistry on Frozen Sections.
Reactivity:	Human, Mouse, Rat
Host:	Guinea Pig
Clonality:	Polyclonal
Immunogen:	Synthetic C-terminal peptide CHSSGQRYLSDPMEKHS (corresponding to a part of the cytoplasmic carboxy terminus) conjugated to KLH.
Specificity:	Antiserum reacts specifically with Synaptoporin present in synaptic vesicles. No cross-reaction with pantophysin and the closely related protein Synaptophysin (additional members of the small polypeptide family typical for transport vesicles).
Formulation:	State: Serum State: Liquid Stabilized antiserum with 0.09% Sodium Azide and 0.5% BSA
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	synaptoporin
Database Link:	Entrez Gene 66030 Rat Entrez Gene 72003 Mouse Entrez Gene 132204 Human Q8TBG9
Background:	SYNPR(Synaptoporin) is a component of the synaptic vesicle membrane and thought to play an important role in synaptic vesicle trafficking. It is highly homologous to Synaptophysin 1 yet it differs in expression. Synaptophysin 1 is ubiquitously expressed, SYNPR is concentrated in the mossy fibre synapses of the hippocampus. Synaptoporin, an intrinsic membrane protein of small synaptic vesicles, probably functions as vesicular channel protein.
Synonyms:	MGC26651, Synaptophysin-2
Protein Families:	Secreted Protein, Transmembrane



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