



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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Product Number	ARP58004_P050-FITC
Product Page	<a href="http://www.avivasysbio.com/grm6-antibody-n-terminal-region-fitc-arp58004-p050-fitc.html">www.avivasysbio.com/grm6-antibody-n-terminal-region-fitc-arp58004-p050-fitc.html</a>
Name	GRM6 Antibody - N-terminal region : FITC (ARP58004_P050-FITC)
Protein Size (# AA)	877 amino acids
Molecular Weight	95kDa
Conjugation	FITC: Fluorescein Isothiocyanate
NCBI Gene Id	2916
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Glutamate receptor, metabotropic 6
Alias Symbols	mGlu6, CSNB1B, GPRC1F, MGLUR6
Peptide Sequence	Synthetic peptide located within the following region: <a href="#">AGGLTLGGLFPVHARGAAGRACGQLKKEQGVHRLEAMLYALDRVNADPEL</a>
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Nielsen,D.A., (2008) Mol. Psychiatry 13 (4), 417-428
Description of Target	L- glutamate is the major excitatory neurotransmitter in the central nervous system and activates both ionotropic and metabotropic glutamate receptors. Glutamatergic neurotransmission is involved in most aspects of normal brain function and can be perturbed in many neuropathologic conditions. The metabotropic glutamate receptors are a family of G protein-coupled receptors, that have been divided into 3 groups on the basis of sequence homology, putative signal transduction mechanisms, and pharmacologic properties. Group I includes GRM1 and GRM5 and these receptors have been shown to activate phospholipase C. Group II includes GRM2 and GRM3 while Group III includes GRM4, GRM6, GRM7 and GRM8. Group II and III receptors are linked to the inhibition of the cyclic AMP cascade but differ in their agonist selectivities.L- glutamate is the major excitatory neurotransmitter in the central nervous system and activates both ionotropic and metabotropic glutamate receptors. Glutamatergic neurotransmission is involved in most aspects of normal brain function and can be perturbed in many neuropathologic conditions. The metabotropic glutamate receptors are a family of G protein-coupled receptors, that have been divided into 3 groups on the basis of sequence homology, putative signal transduction mechanisms, and pharmacologic properties. Group I includes GRM1 and GRM5 and these receptors have been shown to activate phospholipase C. Group II includes GRM2 and GRM3 while Group III includes GRM4, GRM6, GRM7 and GRM8. Group II and III receptors are linked to the inhibition of the cyclic AMP cascade but differ in their agonist selectivities.
Protein Interactions	GNAO1;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for <a href="#">anti-GRM6 (ARP58004_P050-FITC) antibody</a>
Blocking Peptide	For anti-GRM6 (ARP58004_P050-FITC) antibody is <a href="#">Catalog # AAP58004</a> (Previous Catalog # AAPP32427)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human GRM6
Uniprot ID	<a href="#">O15303</a>
Protein Name	Metabotropic glutamate receptor 6
Protein Accession #	<a href="#">NP_000834</a>
Purification	Affinity Purified
Nucleotide Accession #	<a href="#">NM_000843</a>

<b>Gene Symbol</b>	<a href="#">GRM6</a>
<b>Predicted Species Reactivity</b>	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit, Sheep, Zebrafish
<b>Application</b>	WB
<b>Predicted Homology Based on Immunogen Sequence</b>	Cow: 100%; Dog: 93%; Guinea Pig: 79%; Horse: 79%; Human: 100%; Mouse: 93%; Pig: 93%; Rabbit: 100%; Rat: 93%; Sheep: 79%; Zebrafish: 79%
<b>Image 1</b>	 A schematic diagram of a Y-shaped antibody molecule, consisting of two heavy chains and two light chains, represented by thick black lines.

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This product is for Research Use Only. Not for diagnostic, human, or veterinary use.  
Optimal conditions of its use should be determined by end users.

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