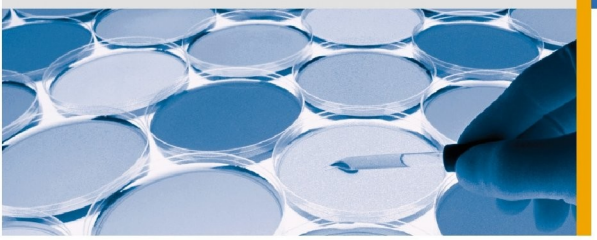
MBM SCIENCE BRIDGE GmbH

Where Science meets Business



Licensing Opportunity

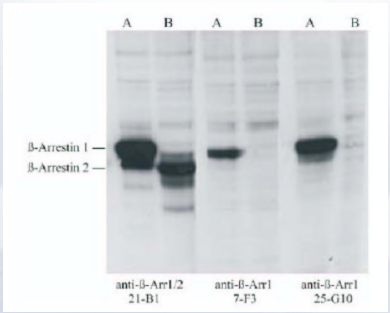
Beta-Arrestin 1 and 1/2 mAb

Scientists at the Georg-August-University produced different **monoclonal antibodies** directed against **beta-arrestin1** and **beta-arrestin2** (one reacts specifically with beta-arrestin1 but not with beta-arrestin2, the other one with both of them). Arrestins are **cytosolic proteins** that are involved in **G protein-coupled receptor (GPCR) desensitization**. There are currently known 4 mammalian isoforms, beta-arrestin1 (arrestin2), beta-arrestin2 (Arrestin3), visual arrestin (Arrestin1), and cone arrestin. The beta-isoforms are ubiquitously expressed and known to interact with acetylcholine and adrenergic receptors.

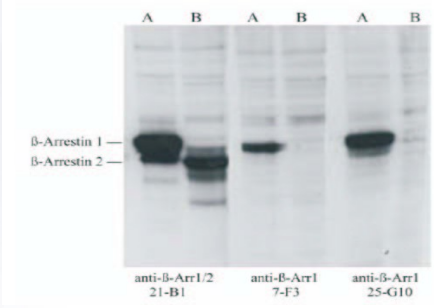
Available Clones for Licensing

Clone name:	25-G10	21-B1
Immunogen:	Synthetic peptide corresponding to an epi- tope (Ser67-Thr79) conserved in human, murine, rat and bovine beta-arrestin1	Beta-arrestin1
Animal species:	BALB/c	BALB/c
Fusion partner:	X63-Ag8.653 cells	X63-Ag8.653 cells
Isotype	IgG1/k	IgG1/k
Ig concentration in supernatants:	ca. 75 µg/ml	60µg/ml
Reactivity:	reacts specifally with beta-arrestin1 (but not beta-arrestin2)	reacts equally well with (human and rat) beta-arrestin1 and beta-arrestin2
Applications:	Western Blotting Immunoprecipitation	Western Blotting Immunoprecipitation
Generated by:	Prof. M. Oppermann, University of Göttingen, Germany	Prof. M. Oppermann, University of Göttingen, Germany

Immunoblots:



Immunoblot showing the specificity of anti beta-arrestin1 mAb 25-G10. Cell lysates from HEK-293 cells overexpressing either rat beta-arrestin1 (A) or rat beta-arrestin2 (B) were probed with 25-G10 and two othermAbspecific for beta-arrestin1 (7-F3) or beta-arrestin1/2 (21-B1).



Immunoblot showing the specificity of anti beta-arrestin1/2 mAb 21-B1. Left Cell lysates from HEK-293 cells overexpressing either rat beta-arrestin1 (A) or rat beta-arrestin2 (B) were probed with 21-B1 and two other mAb specific for beta-arrestin1 (7-F3 and 25-G10).

signo Hochschulen
Schutz von Ideen für die gewerbliche Nutzung
Ein Programm des Bundesministeriums für Wirtschaft und Technologie

Niedersachsen

MBM ScienceBridge GmbH

Hans-Adolf-Krebs-Weg 1
37077 Göttingen, Germany

www.sciencebridge.de

Product Manager
Dipl.-Biol. Christiane Bolli

tel.: +49 (0) 551 30724 156
fax: +49 (0) 551 30724 155
e-mail: cbolli@sciencebridge.de