Product Datasheet

Gap43 Antibody (orb1273526)

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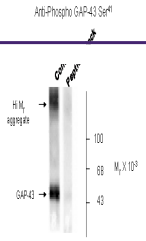
Description	Gap43 Antibody
Species/Host	Rabbit
Reactivity	Human, Mouse, Rat
Conjugation	Unconjugated
Tested Applications	WB
Immunogen	GAP-43 (Ser41) polyclonal antibody was raised against a synthetic phosphopeptide corresponding to amino acids residues surrounding the phospho-Ser41 of rat GAP-43.
Target	Gap43
Form/Appearance	Liquid
Concentration	batch dependent
Storage	For long term storage -80°C is recommended, but shorter term storage at -20°C is also acceptable as aliquots may be taken without freeze/thawing due to the presence of 50% glycerol. Stock solutions are stable for a minimum of 1 year at -20°C.
Note	For research use only
Application notes	In some tissues the antibody also recognizes a higher molecular weight band that is also recognized by the Pan GAP-43 antibody and this band may be a GAP-43 aggregate or oligomer. Immunolabeling of the GAP-43 protein in Western blots of rat brain is blocked by the Ser41 phosphopeptide used as antigen but not by the corresponding non-phosphopeptide. Note: the GAP-43 protein migrates on SDS-PAGE as a 50 kDa band. The antibody is purified by sequential chromatography on phospho- and non-phosphopeptide affinity columns. Antibody dilutions and tissue load should be based on tissue type and expected phosphorylation state. Initial recommended range of dilutions: 1:500 to 1:2000. Applications include Dot blots (DB) and Western blots (WB). Immunohistochemistry (IHC) application has not yet been determined. Human, mouse and rat have 100% amino acid sequence identity with for the antigen used to raise the antibody. When internally tested under ideal conditions the working dilutions were 1:1000 for DB and WB.
Clonality	Polyclonal
MW	50
Uniprot ID	P07936



Western blot of rat cortex lysate showin...

Biorbyt Ltd.
7 Signet Court, Swann's Road, Cambridge, CB5 8LA, United Kingdom
Email: **info@biorbyt.com** | Phone: **+44 (0) 1223 859-353** | Fax: +44 (0)1223 280 240

Biorbyt LLC.
68 TW Alexander Drive
Research Triangle Park
Durham, North Carolina
27709. United States
Email: **info@biorbyt.com** | Phone: **+1 (415) 906-5211** | Fax: +1 (415) 651-8558

protein in Western blots of rat brain is blocked by the