

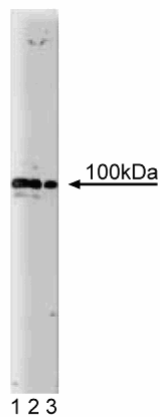
Technical Data Sheet

Purified Mouse Anti-Gap1[m]**Product Information**

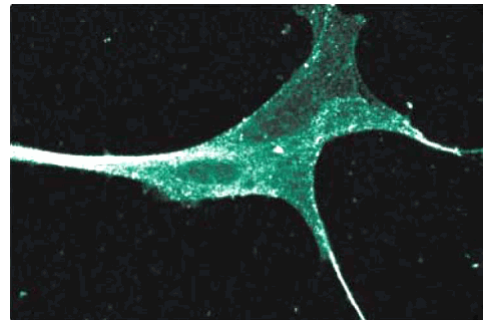
Material Number:	610730
Size:	50 µg
Concentration:	250 µg/ml
Clone:	15/Gap1[m]
Immunogen:	Rat Gap1[m] aa. 20-200
Isotype:	Mouse IgG1
Reactivity:	QC Testing: Rat Tested in Development: Human, Mouse
Target MW:	100 kDa
Storage Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.

Description

The biological activity of Ras is mediated by the conversion of bound GTP to DP. This process is controlled, in part, by Ras guanine nucleotide releasing factor (GNRP) and several Ras GTPase-activating proteins (GAPs). p120GAP is the GTPase for the normal form of Ras, but is not reactive with oncogenic Ras. Gap1[m] is a homologue of the *Drosophila* Gap1 protein which also affects the non-oncogenic form of Ras. Gap1[m] is a 100 kDa protein GTPase that binds Ras with high affinity and, unlike p120GAP, Gap1[m] contains no SH2 or SH3 domains. At its N-terminus, Gap1[m] has two repeats similar to the C2 domain of Protein Kinase C. The GAP-related domain (GRD) is centrally located and is flanked on the C-terminal side by a pleckstrin homology domain.



Western blot analysis of Gap1[m] on rat brain lysate.
Lane 1: 1:1000, lane 2: 1:2000, lane 3: 1:4000 dilution of Gap1[m].



FHS

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Store undiluted at -20°C.

Application Notes**Application**

Western blot	Routinely Tested
Immunofluorescence	Tested During Development
Immunohistochemistry	Tested During Development
Immunoprecipitation	Not Recommended

Suggested Companion Products

Catalog Number	Name	Size	Clone
554002	HRP Goat Anti-Mouse Ig	1.0 ml	(none)

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Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmlngen/protocols for technical protocols.
3. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
4. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

References

Maekawa M, Li S, Iwamatsu A, Morishita T. A novel mammalian Ras GTPase-activating protein which has phospholipid-binding and Btk homology regions. *Mol Cell Biol.* 1994; 14(10):6879-6885.(Biology)