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Product datasheet for BA1011

GFAP Bovine Protein

Product data:

Product Type:	Native Proteins
Description:	GFAP bovine protein, 0.25 mg
Species:	Bovine
Protein Source:	Spinal Cord
Predicted MW:	52 kDa
Concentration:	lot specific
Purity:	>98% (determined by SDS gelelectrophoresis).
Buffer:	Presentation State: Purified State: Lyophilized Buffer System: Final Solution contains 10 mM Sodium Phosphate buffer pH 7.5, 6M Urea, 2 mM DTT, 1 mM EDTA, 10 mM Methylammonium Chloride
Reconstitution Method:	Restore with distilled water. BA1011S: 80 µl (final volume 100 µl). BA1011 : 200 µl (final volume 250 µl).
Preparation:	Lyophilized
Applications:	**Protein standard in 1D and 2D SDS gelelectrophoresis.** **Immunoassays.** **Immunization.** Protocol: **Reconstitution to Filaments** is performed by dissolving in 6 M urea buffer (see above) at concentrations of approx. 0.5 mg/ml. Protofilaments and filament complexes are obtained by dialyzing the resulting polypeptide solution stepwise to a concentration of 4 M urea and then to low salt condition (50 mM NaCl, 2 mM dithiothreitol, 10 mM Tris-HCl, pH 7.4). For immunization purposes, the solution can be further dialyzed against PBS (phosphate buffered saline, e.g. Dulbeccos PBS).
Protein Description:	Bovine Glial Filament Protein (GFP)
Note:	**Isoelectric Point:** pI 5.4

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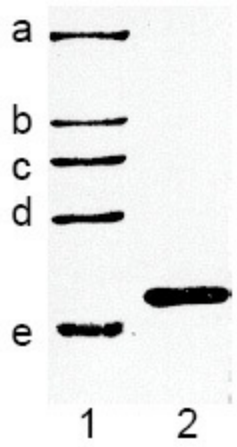
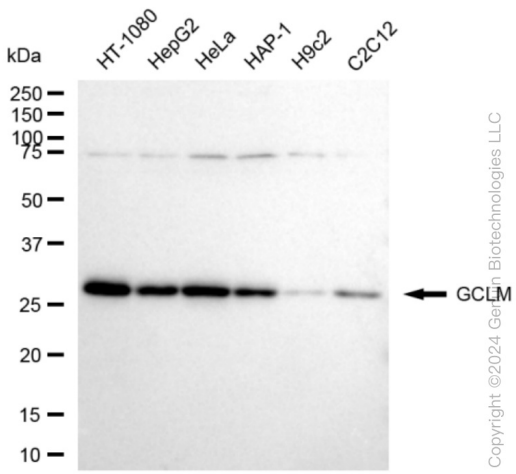
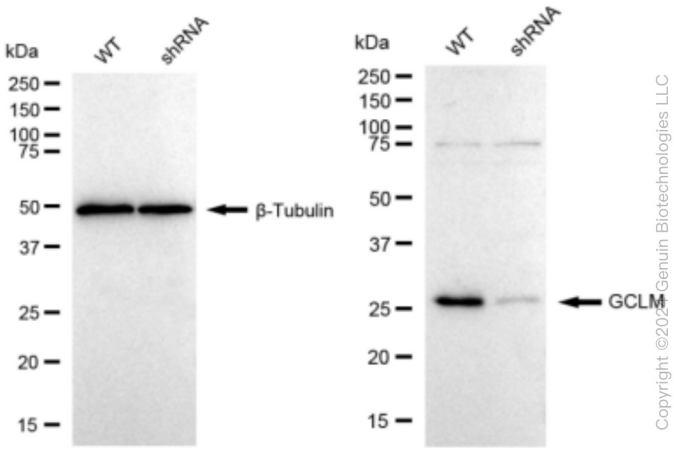
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store the protein undiluted at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_776490
Locus ID:	281189
Synonyms:	Glial Fibrillary Acidic Protein
Summary:	glial fibrillary acidic protein
Protein Families:	**Protein standard in 1D and 2D SDS gelelectrophoresis.** **Immunoassays.** **Immunization.** Protocol: **Reconstitution to Filaments** is performed by dissolving in 6 M urea buffer (see above) at concentrations of approx. 0.5 mg/ml. Protofilaments and filament complexes are obtained by dialyzing the resulting polypeptide solution stepwise to a concentration of 4 M urea and then to low salt condition (50 mM NaCl, 2 mM dithiothreitol, 10 mM Tris-HCl, pH 7.4). For immunization purposes, the solution can be further dialyzed against PBS (phosphate buffered saline, e.g. Dulbeccos PBS).

Product images:

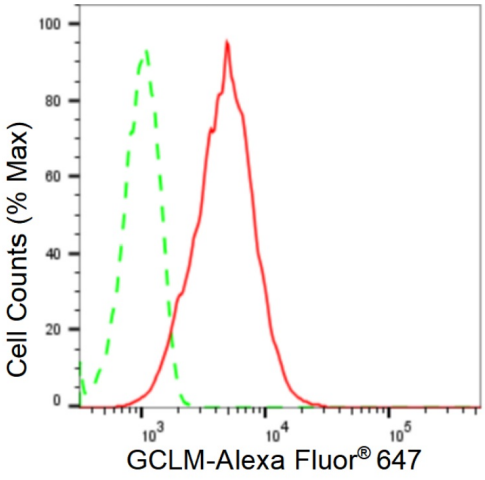




Western blotting analysis using anti-GCLM antibody . Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-GCLM antibody and HRP-conjugated goat anti-rabbit secondary antibody respectively. Image was developed using anti-FeQ™ ECL Substrate Kit .



Western blotting analysis using anti-GCLM antibody . GCLM expression in wild type (WT) and GCLM shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates . β-Tubulin serves as a loading control. The blot was incubated with anti-GCLM antibody and HRP-conjugated goat anti-rabbit secondary antibody respectively. Image was developed using anti-FeQ™ ECL Substrate Kit .



Flow cytometric analysis of GCLM expression in HepG2 cells using anti-GCLM antibody . Green, isotype control; red, GCLM.