



# S-100A5 Monoclonal Antibody

Catalog No	BYmab-03181
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	S100A5
Protein Name	Protein S100-A5
Immunogen	The antiserum was produced against synthesized peptide derived from human S100A5. AA range:34-83
Specificity	S-100A5 Monoclonal Antibody detects endogenous levels of S-100A5 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	S100A5; S100D; Protein S100-A5; Protein S-100D; S100 calcium-binding protein A5
Observed Band	32kD
Cell Pathway	nucleus,neuronal cell body,
Tissue Specificity	Brain,Kidney,
Function	similarity:Belongs to the S-100 family.,similarity:Contains 2 EF-hand domains.,
Background	S100 calcium binding protein A5(S100A5) Homo sapiens The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein has a Ca <sup>2+</sup> affinity 20- to 100-fold higher than the other S100 proteins studied under identical conditions. This protein also binds Zn <sup>2+</sup> and

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Cu<sup>2+</sup>, and Cu<sup>2+</sup> strongly which impairs the binding of Ca<sup>2+</sup>. This protein is expressed in very restricted regions of the adult brain. [provided by RefSeq, Jul 2008],

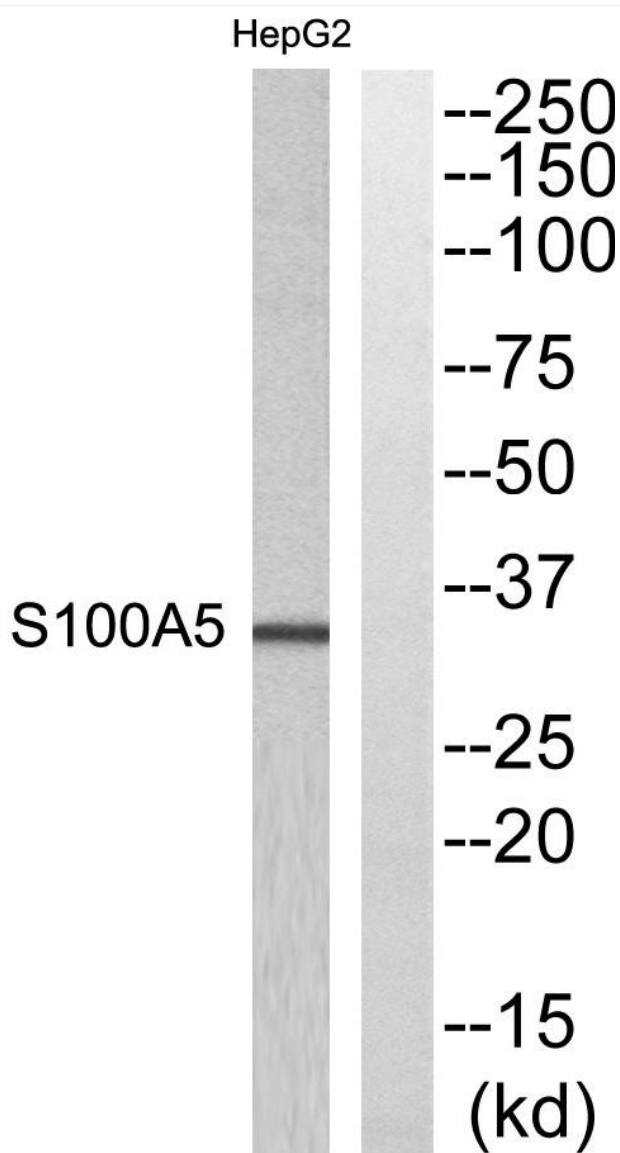
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**



Western Blot analysis of various cells using S-100A5 Monoclonal Antibody

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