

Datasheet: 8365-1256

Description:	MOUSE ANTI CHICKEN SPECTRIN (NON-ERYTHROID)
Specificity:	SPECTRIN (NON-ERYTHROID)
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AA6 (7A3)
Isotype:	IgG1
Quantity:	50 µg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin		▪		
Immunoprecipitation	▪			
Western Blotting	▪			1/500 - 1/2000
Immunofluorescence	▪			1/200 - 1/400
Chromatin Immunoprecipitation	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Chicken
Species Cross Reactivity	Reacts with: Rabbit, Rat, Guinea Pig, Human, Mouse, Pig, Human Based on sequence similarity, is expected to react with: Mammals N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline.
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml
Immunogen	Chicken blood cell membrane purified by hypotonic lysis and mechanical enucleation.

**External Database
Links**

UniProt:

[P07751](#) [Related reagents](#)

Entrez Gene:

[374234](#) SPTAN1 [Related reagents](#)

Synonyms

SPTA2

Specificity

Mouse anti Chicken spectrin, clone AA6 recognizes spectrin alpha chain, non-erythrocytic 1, also known as Alpha-II spectrin and Fodrin alpha chain, encoded by the SPTAN1 gene. Mouse anti chicken spectrin recognizes both [chicken spectrin](#) and the alpha chain of non-erythroid spectrin in mammalian cells.

Mouse anti Chicken spectrin, clone AA6 reacts with the 240 kDa full length spectrin alpha, the ~150 kDa, 145 kDa characteristic breakdown products of calpain and caspase-3 ([Nath et al. 1996](#)) and the ~120 kDa product, a result of caspase-3 activation ([Nath et al. 1998](#)).

Western Blotting

Clone AA6 recognizes the 150kDa and 120kDa spectrin cleavage products in staurosporine-treated HeLa lysates.

References

1. Ylikoski, J. *et al.* (1992) Distribution of F-actin and fodrin in the hair cells of the guinea pig cochlea as revealed by confocal fluorescence microscopy. [Hear Res. 60 \(1\): 80-8.](#)
2. Ylikoski, J. *et al.* (1990) Nonerythroid spectrin (fodrin) is a prominent component of the cochlear hair cells. [Hear Res. 43 \(2-3\): 199-203.](#)

Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted.
Avoid repeated freezing and thawing as this may denature the antibody.
Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 months from date of despatch.

**Health And Safety
Information**

Material Safety Datasheet documentation available at:
Material Safety Datasheet Documentation #10041 available at:
<https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

- Goat Anti Mouse IgG (STAR76...) [RPE](#)
- Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
- Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight@488](#), [DyLight@549](#),
[DyLight@649](#), [DyLight@680](#), [DyLight@800](#),
[FITC](#), [HRP](#)
- Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
- Goat Anti Mouse IgG (STAR77...) [HRP](#)
- Rabbit Anti Mouse IgG (STAR12...) [RPE](#)

Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR8...) [DyLight®800](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Human Anti Mouse IgG1 (HCA036...) [HRP](#)

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