

## Anti-S100A9 Antibody (9D154)

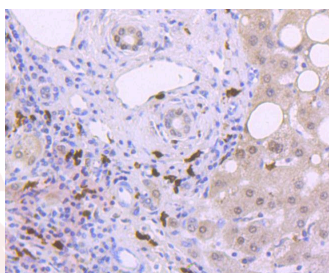
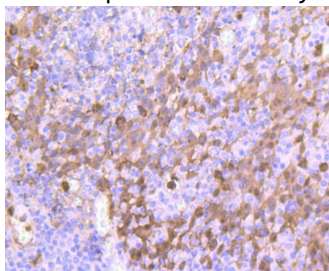
### Product Details

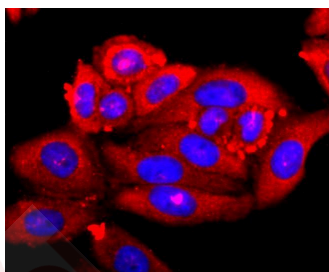
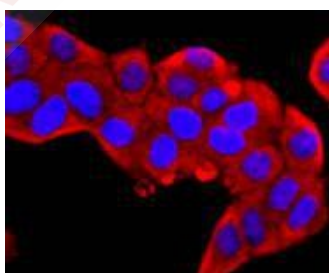
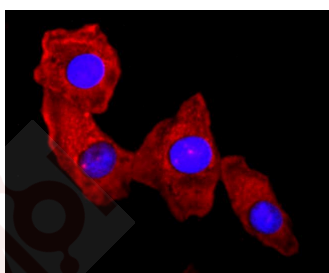
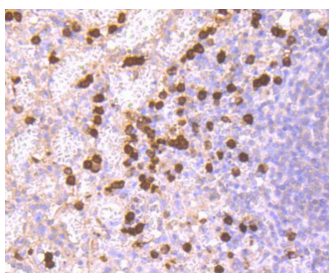
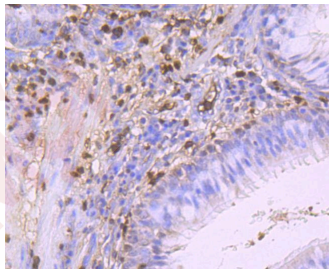
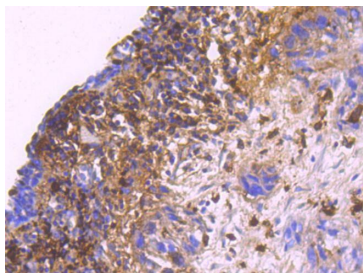
Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 14 kDa.
Clone:	9D154
Purification:	ProA affinity purified

### Applications

#### Verified Activity:

1. Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-S100A9 antibody. Counter stained with hematoxylin.
2. Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-S100A9 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-S100A9 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using anti-S100A9 antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-S100A9 antibody. Counter stained with hematoxylin.
6. ICC staining S100A9 in A549 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
7. ICC staining S100A9 in Hela cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
8. ICC staining S100A9 in HepG2 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.





Application: ICC/IF,IHC,WB

Recommended WB: 1:1000; IHC: 1:50-200; ICC/IF: 1:50-200

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P06702

Synonyms: MIF;P14;L1AG;NIF;LIAG;MRP-14;CGLB;MAC387;CFAG;MRP14;60B8AG;CAGB;S100 calcium binding protein A9

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### Research Background

The family of EF-hand type Ca<sup>2+</sup>-binding proteins includes Calbindin (previously designated vitamin D-dependent Ca<sup>2+</sup>-binding protein), S-100 $\alpha$  and  $\beta$ , Calgranulin A (also designated MRP8), Calgranulin B (also designated MRP14) and Calgranulin C (S-100 like protein), and the parvalbumin family members, including parvalbumin  $\alpha$  and parvalbumin  $\beta$  (also designated oncomodulin). Calbindin, S-100 proteins and parvalbumin proteins are each expressed in neural tissues. In addition, S-100 $\alpha$  and  $\beta$  are present in a variety of other tissues, and Calbindin is present in intestine and kidney. Parvalbumin  $\alpha$  is also found in fast-contracting/relaxing skeletal muscle fibers and parvalbumin  $\beta$  is found in many tumor tissues as well as in the organ of Corti. Calbindin, S-100 proteins and parvalbulmins have all been detected in leydig cells and testis. These proteins are thought to play a role in hormone production and spermatogenesis. Calgranulin is expressed in macrophages and epithelial cells.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481