

## Product datasheet for **TA365209**

### **S100A16 Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: MCF-7 cell IHC: 25-100 Positive control: Human prostate cancer Predicted cell location: Cytoplasm or Nucleus
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Full length fusion protein
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	12 kDa
Gene Name:	S100 calcium binding protein A16
Database Link:	<a href="#">Entrez Gene 140576 Human</a> <a href="#">Q96FQ6</a>



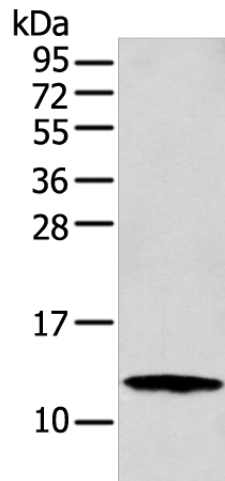
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**Background:**

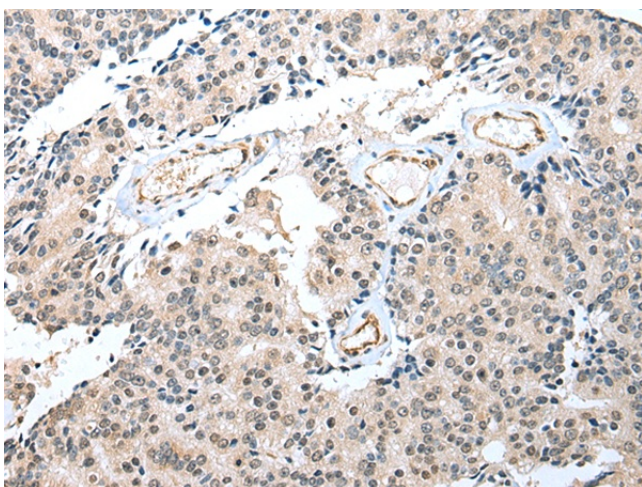
The S-100 protein family consists of a group of calcium-binding proteins that are exclusively expressed in vertebrates and exhibit cell and tissue-specific expression. The expression levels of its members differ in various pathological conditions. The extracellular functions of the S-100 family may include the ability to enhance neurite outgrowth, involvement in inflammation and motility of tumor cells. S-100A16 (S100 calcium binding protein A16), also known as AAG13 (aging-associated gene 13 protein), S100F or DT1P1A7, is a 103 amino acid nuclear and cytoplasmic protein that exists as a homodimer that binds one calcium ion per monomer. A member of the EF-hand superfamily, S-100A16 contains two EF-hand domains and is encoded by a gene that maps to human chromosome 1q21.3. The S-100 protein family consists of a group of calcium-binding proteins that are exclusively expressed in vertebrates and exhibit cell and tissue-specific expression. The expression levels of its members differ in various pathological conditions. The extracellular functions of the S-100 family may include the ability to enhance neurite outgrowth, involvement in inflammation and motility of tumor cells. S-100A16 (S100 calcium binding protein A16), also known as AAG13 (aging-associated gene 13 protein), S100F or DT1P1A7, is a 103 amino acid nuclear and cytoplasmic protein that exists as a homodimer that binds one calcium ion per monomer. A member of the EF-hand superfamily, S-100A16 contains two EF-hand domains and is encoded by a gene that maps to human chromosome 1q21.3.

**Synonyms:**

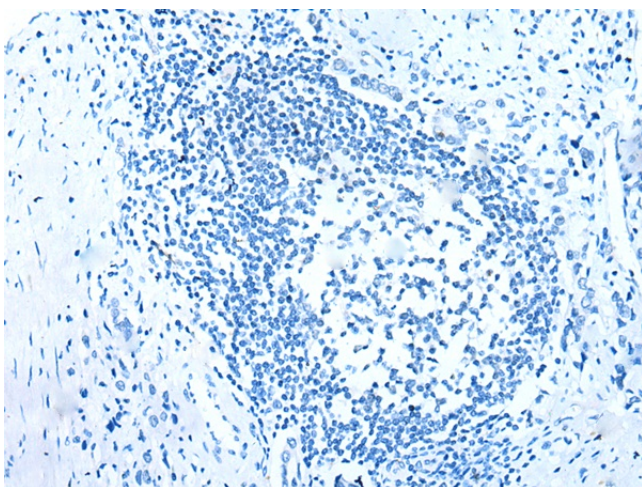
AAG13; DT1P1A7; MGC17528; OTTHUMP00000015465; OTTHUMP00000015466; OTTHUMP00000032894; S100F

**Product images:**

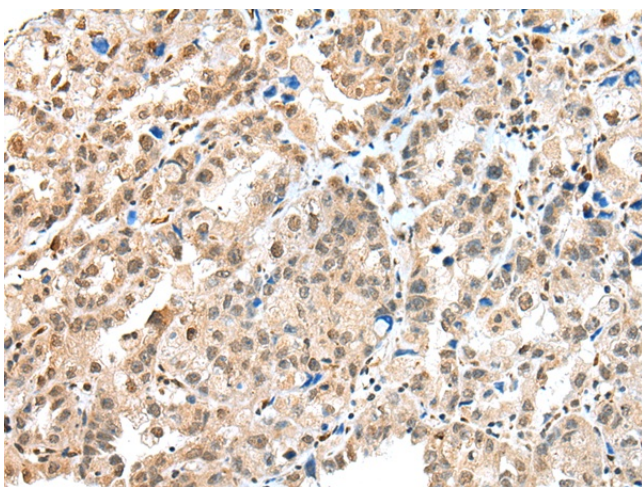
Gel: 12%SDS-PAGE  
Lysate: 40 µg  
Lane: MCF-7 cell  
Primary antibody: TA365209 (S100A16 Antibody)  
at dilution 1/300  
Secondary antibody: Goat anti rabbit IgG at  
1/8000 dilution  
Exposure time: 10 seconds



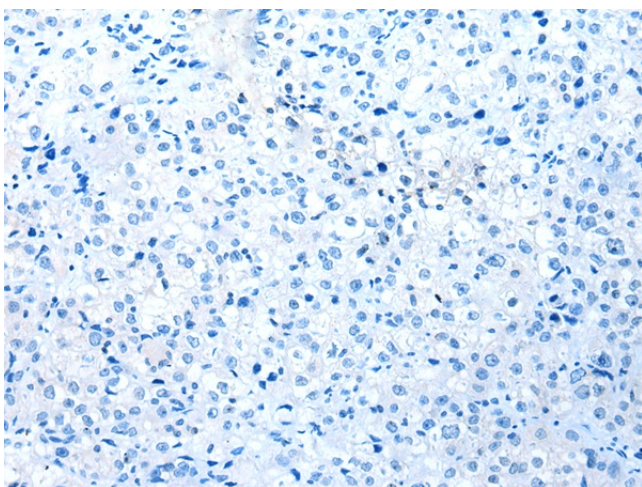
Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using TA365209 (S100A16 Antibody) at dilution 1/25 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using TA365209 (S100A16 Antibody) at dilution 1/25, treated with fusion protein. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA365209 (S100A16 Antibody) at dilution 1/25 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA365209 (S100A16 Antibody) at dilution 1/25, treated with fusion protein. (Original magnification: ×200)