

## α-SMA [D4K9N] - 164Dy

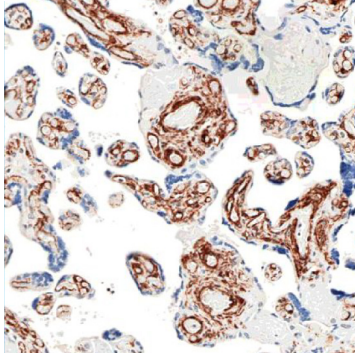
**Catalog:** 716401

**Clone:** D4K9N

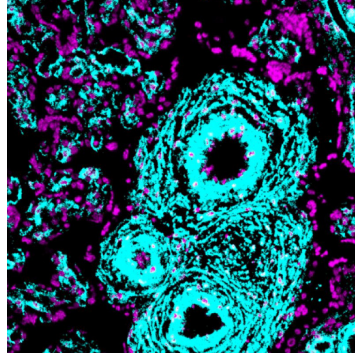
**Isotype:** Rabbit IgG

**Reactivity:** Human\*, Mouse\*, Rat

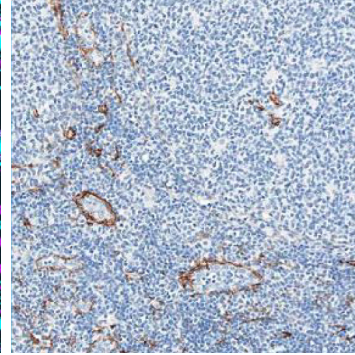
**Application:** MIBI-FFPE

**Storage:** Supplied in antibody stabilizer with 0.05% sodium azide. Store at 4°C


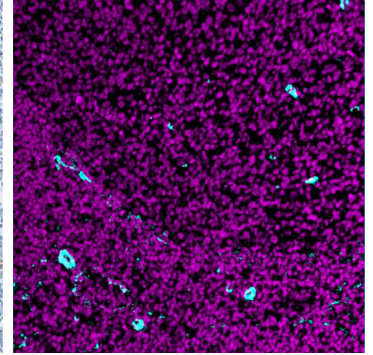
**IHC:** α-SMA staining of FFPE human placenta



**MIBI:** α-SMA (cyan) staining of FFPE human placenta, costained with dsDNA (magenta)



**IHC:** α-SMA staining of FFPE human tonsil



**MIBI:** α-SMA (cyan) staining of FFPE human tonsil, costained with dsDNA (magenta)

**Background**

α-smooth muscle actin (α-SMA, ACTA2) is one of six actin isoforms found in vertebrates. α-SMA is expressed in a variety of tissues and is used as a marker of vascular smooth muscle, myofibroblasts, and cancer-associated fibroblasts (CAFs)

**Validation**

Each lot of conjugated antibody is quality control tested by staining tissue following the MIBI Staining Protocol optimized for the applicable tissue format with subsequent MIBIscope analysis of stained tissue microarray using the appropriate positive and negative tissue field of views. These results are pathologist verified.

**Recommended Usage**

Human FFPE: 1:100 dilution. Mouse FFPE: 1:25 dilution. For optimal results, the antibody should be titrated for each desired application.

**References**

Emon, B., Bauer, J., Jain, Y., Jung, B., Saif, T. Biophysics of Tumor Microenvironment and Cancer Metastasis -A Mini Review. *Computational and Structural Biotechnology*. 2018; 16, 279-287.

\* Conjugate tested on human tissue and mouse tissue.