

## Anti-Fibrillin-1

**CATALOG NO:** 53486

**CLONE:** SPM245

### BACKGROUND:

Fibrillin-1 is an extracellular acidic protein with high cysteine content and an extended thread-like shape with mosaic composition of different types of extracellular modules. Most of the fibrillin molecule is contributed by 47 epidermal growth factor-like (EGF-like) repeats; 43 of them have a consensus sequence for calcium binding (cb). Other modules including 8-cysteine motifs (seven), hybrid motifs (two), and unique domains (three) are interspersed throughout the molecule[3-7]. Fibrillin-1 contains a proline-rich region close to the N-terminus that is replaced by a glycine-rich region in fibrillin-2. The fibrillins are found throughout the connective tissue as integral components of extended fibrils.

### SOURCE AND REACTIVITY:

Mouse anti-fibrillin-1 monoclonal antibody was raised against microfibrils from zonular apparatus of bovine eye with the Ig Isotype of IgG1 /  $\kappa$ . Anti-fibrillin-1 reacts with fibrillin-1 at the molecular weight of 350 kDa on western blot. Species reactivity includes human and cow, while others are not known.

### APPLICATION:

The following concentration ranges are recommended starting points for this product.

**WB** (Ab 1  $\mu$ g/ml for 2hr, room temperature (RT))

**IFC**

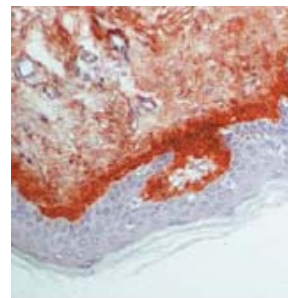
**IHC** (Formalin/paraffin)

Working dilution: 1:50 for 30 min at RT

No special pretreatment is required for histochemical staining of formalin/paraffin tissues.

Positive Control: Normal skin fibroblasts

Cellular localization: Extracellular microfibrils



Human skin  
stained with anti-  
fibrillin-1

*This product is for in vitro research use only.*

### STORAGE:

0.25 ml antibody (at 200  $\mu$ g/ml), purified from ascites fluid by Protein G, in 1X PBS (pH 7.4) with 0.2% BSA and 0.05% sodium azide. Store at 2-8  $^{\circ}$ C for up to 1 year. Avoid repeated freeze thaw cycles.