



# Caldesmon pan mouse mAb(ABT286)

|                                  |                                                                                                                                                                                                                                                              |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                | YP-Ab-15637                                                                                                                                                                                                                                                  |
| <b>Isotype</b>                   | IgG                                                                                                                                                                                                                                                          |
| <b>Reactivity</b>                | Human                                                                                                                                                                                                                                                        |
| <b>Applications</b>              | IHC-p;IF(paraffin section)                                                                                                                                                                                                                                   |
| <b>Gene Name</b>                 | CALD1 CAD CDM                                                                                                                                                                                                                                                |
| <b>Protein Name</b>              | Caldesmon pan                                                                                                                                                                                                                                                |
| <b>Immunogen</b>                 | Synthesized peptide derived from human Caldesmon pan                                                                                                                                                                                                         |
| <b>Specificity</b>               | The antibody can recognize human h-caldesmon and l-caldesmon protein. In western blotting , the antibody labels a 93KDa band.                                                                                                                                |
| <b>Formulation</b>               | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.166% sodium azide.                                                                                                                                                                                     |
| <b>Source</b>                    | Monoclonal, Mouse/IgG2b, Kappa                                                                                                                                                                                                                               |
| <b>Purification</b>              | The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.                                                                                                                                                   |
| <b>Dilution</b>                  | IHC-p 1:100-500, IF 1:100-500                                                                                                                                                                                                                                |
| <b>Concentration</b>             | 1 mg/ml                                                                                                                                                                                                                                                      |
| <b>Purity</b>                    | ≥90%                                                                                                                                                                                                                                                         |
| <b>Storage Stability</b>         | -20°C/1 year                                                                                                                                                                                                                                                 |
| <b>Synonyms</b>                  | Caldesmon (CDM)                                                                                                                                                                                                                                              |
| <b>Observed Band</b>             |                                                                                                                                                                                                                                                              |
| <b>Cell Pathway</b>              | Cytoplasm, cytoskeleton . Cytoplasm, myofibril . Cytoplasm, cytoskeleton, stress fiber . On thin filaments in smooth muscle and on stress fibers in fibroblasts (nonmuscle). .                                                                               |
| <b>Tissue Specificity</b>        | High-molecular-weight caldesmon (isoform 1) is predominantly expressed in smooth muscles, whereas low-molecular-weight caldesmon (isoforms 2, 3, 4 and 5) are widely distributed in non-muscle tissues and cells. Not expressed in skeletal muscle or heart. |
| <b>Function</b>                  |                                                                                                                                                                                                                                                              |
| <b>Background</b>                |                                                                                                                                                                                                                                                              |
| <b>matters needing attention</b> | Avoid repeated freezing and thawing!                                                                                                                                                                                                                         |
| <b>Usage suggestions</b>         | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.                                                                                                                            |



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