

## Anti-Desmin [RD301] Bulk Size Ab03342-10.3-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human IgG2b format, created for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human IgG1, Fc Silent™, Kappa

**Clone Number:** RD301

**Alternative Name(s) of Target:**

**UniProt Accession Number of Target Protein:** P17661

**Published Application(s):** ICC, WB, IHC

**Published Species Reactivity:** canine, Chicken, Hamster, Rabbit, Rat, Swine, Zebrafish, Human, Mouse

**Immunogen:** The original antibody was generated by immunizing a mouse with a cytoskeletal extract of Chicken gizzard.

**Specificity:** The antibody is specific for desmin. Desmin is a 53 kDa intermediate filament protein that exhibits a high degree of tissue specificity, its expression being predominantly confined to all types of muscle cells (cardiac, skeletal and smooth muscle).

**Application Notes:** The antibody detected desmin in western blot analysis. The original antibody showed staining pattern of desmin in BHK cells (Quax et al., 1985; PMID: 3855248). The antibody stained desmin on smooth muscle cells of rat prostatic tissue by indirect immunofluorescence (Verhagen et al., 1988; PMID: 2458583).

**Antibody First Published in:** Quax et al. Characterization of the hamster desmin gene: expression and formation of desmin filaments in nonmuscle cells after gene transfer Cell. 1985 Nov;43(1):327-38.

[PMID:3855248](#)

**Note on publication:** The original paper describes the generation and characterization of the antibody.

## Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without

added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.