

Anti-Discoidin Domain Receptor 1 [3E3] Standard Size Ab00438-10.7

This antibody is in our proprietary AbFab2™ recombinant F(ab2) format - based on Human IgG1 sequence with a short dimerization domain to improve stability and a his tag.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG2a format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human F(ab)2, AbFab2™ His-Tagged, Kappa

Clone Number: 3E3

Alternative Name(s) of Target: DDR1

UniProt Accession Number of Target Protein: Q08345

Published Application(s): Blocking, WB, ELISA

Published Species Reactivity: Human

Immunogen: Recombinant human DDR1 extracellular domain.

Specificity: This antibody binds specifically to the extracellular domain of human DDR1.

Application Notes: This antibody binds to human Discoidin Domain Receptor 1, a receptor tyrosine kinase that functions as cell surface receptor for fibrillar collagen and regulates the attachment of the cell to the extracellular matrix. This receptor is required for blastocyst implantation during pregnancy, mammary gland differentiation as well as lactation. It promotes smooth muscle cell migration as well as tumour cell invasion. The antibody acts as an antagonist.

Antibody First Published in: Carafoli et al. Structure of the discoidin domain receptor 1 extracellular region bound to an inhibitory Fab fragment reveals features important for signalling. Structure 2012; 20(4):688-697 [PMID:22483115](#)

Note on publication: Describes the generation of several antibodies against the discoidin domain receptor and subsequent crystallisation as well as binding studies.

Product Form

Size: 100 µg Purified antibody.

Purification: Purified by Immobilized Metal Affinity Chromatography

Supplied In:

PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. 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.