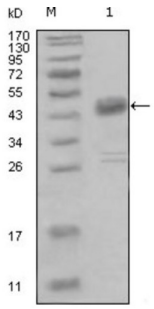
# Epithelial Discoidin Domain-Containing Receptor 1 (DDR1) Antibody

Catalogue No.:abx011452




Western blot analysis using DDR1 antibody against truncated MBP-DDR1 recombinant protein (1).

Receptor tyrosine kinases (RTKs) play a key role in the communication of cells with their microenvironment. These molecules are involved in the regulation of cell growth, differentiation and metabolism. The protein encoded by this gene is a RTK that is widely expressed in normal and transformed epithelial cells and is activated by various types of collagen. This protein belongs to a subfamily of tyrosine kinase receptors with a homology region to the Dictyostelium discoideum protein discoidin I in their extracellular domain. Its autophosphorylation is achieved by all collagens so far tested (type I to type VI). In situ studies and Northern-blot analysis showed that expression of this encoded protein is restricted to epithelial cells, particularly in the kidney, lung, gastrointestinal tract, and brain. In addition, this protein is significantly over-expressed in several human tumors from breast, ovarian, esophageal, and pediatric brain. This gene is located on chromosome 6p21.3 in proximity to several HLA class I genes. Three isoforms of this gene are generated by alternative splicing. [PROW].

| | |
|---|---|
| **Target:** | Epithelial Discoidin Domain-Containing Receptor 1 (DDR1) |
| **Clonality:** | Monoclonal |
| **Reactivity:** | Human |
| **Tested Applications:** | ELISA |
| **Host:** | Mouse |
| **Recommended dilutions:** | ELISA: 1/10000. Optimal dilutions/concentrations should be determined by the end user. |
| **Conjugation:** | Unconjugated |
| **Immunogen:** | Purified recombinant fragment of DDR1 (aa602-681) expressed in E. coli. |
| **Isotype:** | $IgG_1$ |
| **Form:** | Liquid |
| **Purification:** | Unpurified ascites. |
| **Storage:** | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles. |




Abbexa LTD, Cambridge, UK · Phone: +44 (0) 1223 755950 · Fax: +44 (0) 1223 755951
Abbexa LLC, Houston, TX USA · Phone: +1 832 327 7413
Abbexa BV, Leiden, NL
Website: www.abbexa.com · Email: info@abbexa.com

| | |
|---|---|
| **UniProt Primary AC:** | Q08345 (UniProt, ExPASy) |
| **Gene Symbol:** | DDR1 |
| **GeneID:** | 780 |
| **OMIM:** | 600408 |
| **HGNC:** | 2730 |
| **Ensembl:** | ENSG00000204580 |
| **Enzyme Commission Number:** | EC 2.7.1.112, EC 2.7.10.1 |
| **Molecular Weight:** | 101 kDa |
| **Buffer:** | Ascitic fluid containing 0.03% sodium azide. |
| **Concentration:** | Not determined. |
| **Note:** | THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION. |




Abbexa LTD, Cambridge, UK · Phone: +44 (0) 1223 755950 · Fax: +44 (0) 1223 755951
Abbexa LLC, Houston, TX USA · Phone: +1 832 327 7413
Abbexa BV, Leiden, NL
Website: www.abbexa.com · Email: info@abbexa.com