

## Mouse Monoclonal Antibody to DDR1

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|--------------------------------|--|
| <b>Catalogue Number</b>        | sAP-0198   |
| <b>Target Molecule</b>         | <p><b>Name:</b> DDR1</p> <p><b>Aliases:</b> CAK; DDR; NEP; PTK3; RTK6; TRKE; CD167</p> <p><b>MW:</b> N/A</p> <p><b>Entrez Gene ID:</b> 780</p>   |
| <b>Description</b>             | DDR1: discoidin domain receptor tyrosine kinase 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 |
| <b>Immunogen</b>               | Purified recombinant fragment of DDR1 (aa602-681) expressed in E. Coli. ;  |
| <b>Reactive Species</b>        | Human  |
| <b>Clone</b>                   | MM2G4E12;  |
| <b>Size and Concentration</b>  | 100µg/1mg/ml   |
| <b>Supplied as</b>             | Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.  |
| <b>Reconstitution/Storages</b> | Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage   |
| <b>Applications</b>            | ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000  |
| <b>Shipping</b>                | Regular FEDEX overnight shipment (ambient temperature)   |
| <b>Reference</b>               | 1. FASEB J. 2000 May;14(7):973-81. ; 2. Exp Eye Res. 2001 Jan;72(1):87-92. ; 3. Proc Natl Acad Sci U S A. 2002 Dec 24;99(26):16899-903.  |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**