

Basic Information

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| Product Name | Anti-YY1 Antibody (Clone#AIE-25) | |
| Gene Name | YY1 | |
| Source | Rabbit | |
| Clonality | Monoclonal | |
| Isotype | IgG | |
| Species Reactivity | human, mouse, rat | |
| Tested Application | WB, IHC, ICC/IF, IP | |
| Contents | 500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol. | |
| Immunogen | A synthesized peptide derived from human YY1 | |
| Concentration | 500 ug/ml | |
| Purification | Affinity-chromatography | |
| Observed MW | 65 kDa | |
| Dilution Ratios | Western blot (WB): Immunohistochemistry (IHC): Immunocytochemistry/Immunofluorescence (ICC/IF): ImmunoPrecipitation (IP): | 1:500-2000 1:50-200 1:50-200 1:20 |

Storage

12 months from date of receipt, -20°C as supplied.

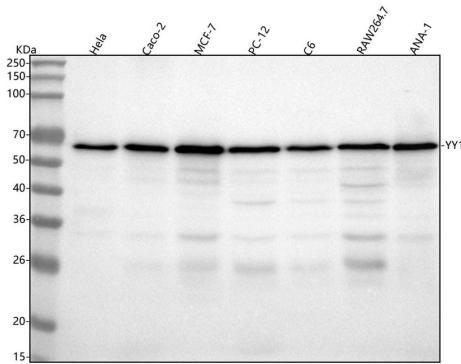
Background Information

YY1 (Yin Yang 1) is a transcriptional repressor protein in humans that is encoded by the YY1 gene. YY1 is a ubiquitously distributed transcription factor belonging to the GLI-Kruppel class of zinc finger proteins. The protein is involved in repressing and activating a diverse number of promoters. YY1 may direct histone deacetylases and histone acetyltransferases to a promoter in order to activate or repress the promoter, thus implicating histone modification in the function of YY1.

Reference

Anti-YY1 Antibody (Clone#AIE-25)被引用在1文献中。

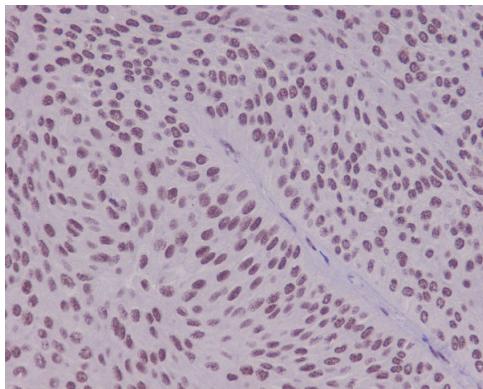
Selected Validation Data



Western blot analysis of anti-YY1 antibody (BM4049). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

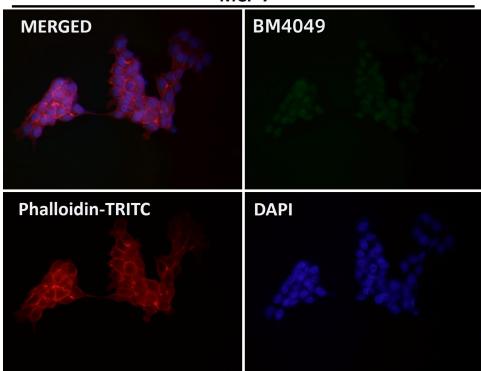
Lane 1: human Hela whole cell lysates,
Lane 2: human Caco-2 whole cell lysates,
Lane 3: human MCF-7 whole cell lysates,
Lane 4: rat PC-12 whole cell lysates,
Lane 5: rat C6 whole cell lysates,
Lane 6: mouse RAW264.7 whole cell lysates,
Lane 7: mouse ANA-1 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-YY1 antigen affinity purified monoclonal antibody (BM4049) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for YY1 at approximately 68 kDa. The expected band size for YY1 is at 45 kDa.



Immunohistochemical analysis of paraffin-embedded human bladder using YY1 Antibody.

MCF-7



Immunofluorescent analysis using the Antibody.