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## Product datasheet for TA500583BM

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## Alpha B Crystallin (CRYAB) Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI6D11]

## Product data:

| Product Type: | Primary Antibodies |
| :---: | :---: |
| Clone Name: | OTI6D11 |
| Applications: | FC, IF, IHC, IP, WB |
| Recommended Dilution: | WB 1:500~1000, IHC 1:50, IF 1:50~100, FLOW 1:100, IP 2ug/500ul |
| Reactivity: | Human, Rat, Monkey, Mouse |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human CRYAB (NP_001876) produced in HEK293T cell. |
| Formulation: | PBS (pH 7.3) containing 1\% BSA, 50\% glycerol. |
| Concentration: | $0.5 \mathrm{mg} / \mathrm{ml}$ |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | HRP |
| Storage: | Store at $-20^{\circ} \mathrm{C}$ as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 20 kDa |
| Gene Name: | crystallin alpha B |
| Database Link: | NP 001876 |
|  | Entrez Gene 12955 MouseEntrez Gene 25420 RatEntrez Gene 710747 MonkeyEntrez Gene |
|  | 1410 Human |
|  | P02511 |

Background:

Synonyms:

## Product images:

HEK293T cells were transfected with the pCMV6ENTRY control (Cat\# [PS100001], Left lane) or pCMV6-ENTRY CRYAB (Cat\# [RC202718], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates ( 5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CRYAB (Cat\# [TA500583]). Positive lysates [LY419682] (100ug) and [LC419682] (20ug) can be purchased separately from OriGene.

Alpha B Crystallin (CRYAB) Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI6D11] TA500583BM


Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-CRYAB monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).


Western blot analysis of extracts (10ug) from 10 Human tissue by using anti-CRYAB monoclonal antibody at 1:200 (1: Testis; 2: Omentum; 3: Uterus; 4: Breast; 5: Brain; 6: Liver; 7: Ovary; 8: Thyroid gland; 9: colon;10: spleen).


Immunohistochemical staining of paraffinembedded Carcinoma of Human thyroid tissue using anti-CRYAB mouse monoclonal antibody. (Heat-induced epitope retrieval by 10 mM citric buffer, pH6.0, $100^{\circ} \mathrm{C}$ for 10 min , [TA500583])

Alpha B Crystallin (CRYAB) Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI6D11] TA500583BM


Immunohistochemical staining of paraffinembedded human smooth muscle cancer tissue using anti-CRYAB mouse monoclonal antibody. (Heat-induced epitope retrieval, [TA500583]). Data courtesy of a collaborative pathologist.

Anti-CRYAB mouse monoclonal antibody ([TA500583]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6ENTRY CRYAB ([RC202718]).

Immunofluorescent staining of HT29 cells using anti-CRYAB mouse monoclonal antibody ([TA500583]).



Immunoprecipitation (IP) of CRYAB by using TrueMab monoclonal anti-CRYAB antibodies (Negative control: IP without adding anti-CRYAB antibody.). For each experiment, 500 ul of DDK tagged CRYAB overexpression lysates (at 1:5 dilution with HEK293T lysate), 2ug of anti-CRYAB antibody and $20 \mathrm{ul}(0.1 \mathrm{mg})$ of goat anti-mouse conjugated magnetic beads were mixed and incubated overnight. After extensive wash to remove any non-specific binding, the immunoprecipitated products were analyzed with rabbit anti-DDK polyclonal antibody.

HEK293T cells transfected with either [RC202718] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-CRYAB antibody ([TA500583]), and then analyzed by flow cytometry.

