

# Antibody

## Primary antibody

| Number | Protein name       | brand and Catalog number        | Dilution |  |
|--------|--------------------|---------------------------------|----------|--|
| 1      | anti-YTHDF2        | Proteintech 24744-1             | 1:2000   |  |
| 2      | anti-FAM83D        | Abcam ab236882                  | 1:3000   |  |
| 3      | anti-E-Cadherin    | Cell Signaling Technology 14472 | 1:1000   |  |
| 4      | anti-N-Cadherin    | Cell Signaling Technology 13116 | 1:1500   |  |
| 5      | anti-Vimentin      | Proteintech 10366-1             | 1:3000   |  |
| 6      | anti-TGFβ1         | Immunoway YT1640                | 1:2000   |  |
| 7      | anti-phospho SMAD2 | Abcam ab188334                  | 1:5000   |  |
| 8      | anti-phospho SMAD3 | Abcam ab52903                   | 1:2000   |  |
| 9      | anti-SMAD2/3       | santa cruz sc-133098            | 1:1000   |  |
| 10     | GAPDH              | Proteintech 60004-1             | 1:30000  |  |

| Secondary Antibody |                                 |                        |          |  |
|--------------------|---------------------------------|------------------------|----------|--|
| Number             | Protein name                    | brand                  | Dilution |  |
| 1                  | HRP-conjugated Goat Anti-Mouse  | Proteintech SA00001-1  | 1:3000   |  |
| 2                  | HRP-conjugated Goat Anti-Rabbit | Proteintech SA00001-2  | 1:4000   |  |
|                    |                                 |                        |          |  |
| Primer Sequence    |                                 |                        |          |  |
|                    | gene name                       | Primer sequence 5'-3'  |          |  |
|                    | FAM83D-Forward1                 | AACCACTGACTTCCACAATCCT |          |  |
|                    | FAM83D-Reverse1                 | CAAAACAAACCCCTGTATCCAT |          |  |
|                    | FAM83D-Forward2                 | ACGTTGATTGATGGCATCCG   |          |  |
|                    | FAM83D-Reverse2                 | CCTTGGACTGTGGTTTTTCGG  |          |  |
|                    |                                 |                        |          |  |
|                    |                                 |                        |          |  |

## SiRNA Sequence

|        |        | SiRNA sequence 5'-3'           |  |  |
|--------|--------|--------------------------------|--|--|
| YTHDF2 | siRNA1 | 5' -GCCCAAUAAUGCAUAUACUTT-3'   |  |  |
|        | siRNA2 | 5' -GCUCUGGAUAUAGUAGCAATT-3'   |  |  |
|        | siRNA3 | 5' -TTGGCTATTGGGAACGTCCTT-3'   |  |  |
|        | siRNA4 | 5' -AAGGACGTTCCCAATAGCCAA-3'   |  |  |
|        |        |                                |  |  |
| FAM83D | siRNA1 | 5' - GCAGUAACUUGGUAAUUCUTT-3'  |  |  |
|        | siRNA2 | 5' - CGGACUAUCACAGGAAAUATT-3'  |  |  |
|        | siRNA3 | 5' -CCUCUACUGUUAGUGAGGAdTdT-3' |  |  |
|        | siRNA4 | 5' -GCAGUCUCAUAAGAUUAUATT-3'   |  |  |