| Number | Primary antibody 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 | ACGTTGATTGATGGGCATCCG |
| FAM83D-Reverse2 | CCTTGGACTGTGGTTTTCGG |
| Protein   | siRNA1                        | siRNA2                        | siRNA3                        | siRNA4                        |
|-----------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| YTHDF2    | 5' - GCCCAAUAUAUGCAUAUACUTT-3' | 5' - GCUCUGGAUAUAGUAGCAATT-3' | 5' - TTGGCTATTGGGAACGTCCTT-3' | 5' - AAGGACGTTCCCAATAGCCAA-3' |
| FAM83D    | 5' - GCAGUAACUUGGUAAUUCUTT-3' | 5' - CGGACUAUCACAGGAAAUATT-3' | 5' - CCUCUACUGUAGUGAGGAdTdT-3' | 5' - GCAGUCUCUAUAAGAUUUAUATT-3' |